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CATALOGUE

OF

BUCKNELL UNIVERSITY

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J. R. Loomis

PRESIDENT 1857-1879.

THE

Forty-Ninth Annual Catalogue

OF THE

Officers and Students

OF

Bucknell University,

LEWISBURG, PENNSYLVANIA,

FOR THE YEAR 1898-1899.

PUBLISHED BY THE UNIVERSITY.

GUIDE TO DEPARTMENTS.

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SUMMARY OF ATTENDANCE.

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The Academy for Young Men, ... 70

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The School of Music for both Sexes, ... 112

Total (deducting names repeated), ... 426

PLAN AND PURPOSE OF THE UNIVERSITY.

CORPORATE RIGHTS.

The University was incorporated with full University privileges by the Legislature of Pennsylvania in an Act approved by the Governor on the fifth day of February, A. D. 1846. The Management of the University is committed to a Board of Trustees, consisting of twenty-five members, or fewer at the option of the Board. The trustees are prohibited, for any cause or under any pretext whatever, from encumbering by mortgage or otherwise the real estate or any other property of the Institution. It is required by the charter that no religious sentiments are to be counted a disability to hinder the election of an individual to any office among the teachers of the Institution, or to debar persons from attendance as pupils, or in any manner to abridge their privileges or immunities as students in any department of the University.

ENDOWMENT.

The Institution has productive funds amounting to over $400,000. The endowment funds, raised at various times, were increased, in 1881, to an even $200,000. Since that time William Bucknell contributed to the general fund $115,000, and for scholarships and prizes about $25,000.

One hundred thousand dollars additional endowment was raised in 1892.

FORM OF BEQUEST.

To persons desiring to aid in increasing the efficiency of the schools in the work of preparing young men and young women for usefulness, the following form of bequest is recommended:

I give and bequeath to the Bucknell University, at Lewisburg, Pa., the sum of .....dollars for the general purpose of said school, according to the Act of Assembly incorporating the same.

ORGANIZATION.

The University aims to impart sound instruction in all non-professional studies. It comprises four departments.

I. **The College** offers four courses of study, leading respectively to degrees in Arts, Philosophy, and Science, and is open to both sexes.

II. **The Institute** for young women has three courses of study, the Literary, the Classical, and the Scientific, leading to diplomas which admit to the Sophomore year in the College.

III. **The Academy** is designed to fit young men for College, either for the Classical, Philosophical, or Scientific course.

IV. **The School of Music** has full courses in instrumental and vocal music, and grants diplomas to those who complete either of the specified courses.

These schools are one corporation, have one President, who has general charge, with a Principal in more immediate charge of each of the subordinate departments. All expenses are met from funds in the hands of a common treasurer.

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JOSEPH K. WEAVER, A. M., M. D.,
REV. HENRY G. WESTON, D. D., LL. D.
HON. SIMON P. WOLVERTON, LL. D.

MEETINGS OF THE BOARD.

The annual meeting is held on Tuesday of Commencement week, at Lewisburg.

The semi-annual meeting is held on the second Thursday of January, at 1420 Chestnut Street, Philadelphia.

* Deceased.

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AND THE PRESIDENT.

THE UNIVERSITY PROPERTY.

I. THE COLLEGE.

The main College building is situated on a hill one hundred feet above the Susquehanna River, and overlooks scenery of unsurpassed beauty. It was designed by Thomas U. Walter, LL. D., architect of the dome and wings of the Capitol at Washington, D. C., and is in the Grecian style, combining dignity and simplicity. The Building has a façade of three hundred and twenty feet. The central portion is eighty feet square, and is strengthened in front by four massive columns. On the first floor are six recitation rooms. On the second floor are the halls of Theta Alpha and Euepia Literary Societies, the Library-room, Reading-room, and Museum of Natural History.

In the third story is Commencement Hall, with a seating capacity of fifteen hundred.

The wings on the eastern and western sides, respectively, of the Main Building, are each one hundred and twenty feet in length, and four stories in height, and are used for students' rooms. Each sleeping-room above the second floor is supplied with a fire escape.

Several thousand dollars have been expended recently in improving the College building.

II. BUCKNELL HALL.

Bucknell Hall is the Chapel of the University. In it all the students of the various departments meet daily for worship. The exercises consist in the reading of Scripture, in singing, and in prayer.

III. THE BUCKNELL OBSERVATORY.

The Observatory was erected in 1887, and is designed for the use of students in Practical Astronomy.

The entire equipment is new and represents the latest improvements in astronomical instruments. It consists of a Clark Equatorial Telescope of 10 inches aperture and 12½ feet local length, furnished with a fine position Micrometer and all the usual accessories; a Spectroscope, with prism and grating by Brashear, the grating having 14,500 lines to the inch; a 3-inch prismatic Transit, with a 13-wire movable Micrometer by T. Ertel & Sons; a Fauth Chronograph with Bond Spring Governor; a Waldo Precision Clock for sideral time, with mercurial compensation, break circuiting apparatus; Daniell's battery and telegraph sounders; a Seth Thomas Clock for solar time; a Sextant; a 3-inch Altitude Azimuth Refractor; a set of Meteorological instruments; Celestial globes and maps, and standard works on Theoretical and Practical Astronomy.

IV. THE BUCKNELL LABORATORY.

The Laboratory was erected in 1890, and is a building forty-three feet in width and eighty-six feet in length, with two stories above the basement. In the first story, which has a clear height of fifteen feet, are a lecture-room, with seating for one hundred and twenty-five students, and a large working-room, in which are tables for individual work in Chemical Analysis: the second floor contains a lecture-room for the class in Physics, and rooms for laboratory work in Organic Science; the basement has a dark room for Photometry, a room for Applied Chemistry, another for electricity, and a fire-proof room.

V. THE TUSTIN GYMNASIUM.

The basement of the Gymnasium is built of stone, and contains rooms for students' lockers, dressing-rooms, and shower-baths. The second story is built of brick, rising twenty-two feet from the main floor to the square, and is open to the roof. At the height of twelve feet a running-track gallery, six feet wide, surrounds the room.

VI. THE UNIVERSITY ATHLETIC FIELD.

The field is conveniently located at the foot of "College Hill," and has been graded and fitted up for out-door sports. In the northwest corner, at the main entrance to the college grounds, a shaded section has been set aside for tennis. The athletic field is sufficiently large for foot-ball, base-ball, and lacrosse. A running track, a quarter-mile in length, has recently been constructed on the eastern part of the campus. Tustin Gymnasium is located at the end of the field, so as to be near the centre of exercise, and easily accessible to the trainers and students.

VII. THE ACADEMY.

1. The Main Building of the Academy is situated on "College Hill," and is fifty feet in width by eighty feet in length, and three stories in height. On the first floor is a dining-room, thirty feet by thirty-six feet; two recitation rooms, a reception room, and the Principal's office; on the second floor are suites of rooms for the Principal and his family and for the Matron, and a society hall; the third floor is occupied by students' rooms. These are twenty feet by twelve feet, and fourteen feet high.

2. The East Hall of the Academy is the Bucknell Cottage for young men, and is contiguous to the main building and connected with it by a covered passage-way. It is of brick, three stories high, sixty feet in length and forty feet in width, and is finished in natural wood. The building contains a recitation-room, teachers' apartments, and rooms for students. The rooms have high ceilings, large double windows with inside shutters, and two commodious closets each.

Both buildings are supplied with hot and cold water and are warmed by steam.

VIII. THE DEPARTMENT FOR WOMEN.

The buildings and campus of this department are set apart to the use of women taking courses in the College, in the Institute, and in the School of Music.

1. The Main Building contains, on the first floor, an office for the Principal and the Registrar, a reception-room, the office of the Director of Music, five music-rooms, two recitation-rooms, and a dining-hall; on the second floor a school-room and a parlor elegantly furnished; on the third floor a library-room, teachers' apartments, and students' rooms.

2. The South Hall, erected in 1869, is devoted to students' rooms, except the third story, which is used as a gymnasium. This gymnasium has been lately improved and equipped.

3. The Bucknell Cottage stands to the southwest of the Main Building, and is connected with it by an enclosed passage-way. It is built of brick, in the Queen Anne style of architecture, and has dimensions of thirty-three feet by one hundred feet. The interior is finished in natural wood, and is equipped, in matters of light, heat, and ventilation, with modern improvements.

The portion allotted to students' rooms affords accommodations for forty occupants. These rooms are in suites on the general plan of a centre parlor, with bed-rooms and closets on either side. In this building is the **Studio,** a spacious room with such adjustments for the admission of light and supply of unencumbered wall surfaces as adapt it for the execution and display of art products.

All the buildings are supplied with hot and cold water, and are warmed by steam.

4. The Campus of the Women's Department comprises six acres, separated from the college grounds by Loomis Street, and contains a grove of trees.

IX. THE PRESIDENT'S HOUSE.

The Corporation also owns a house for the use of the President of the University.

THE COLLEGE.

THE FACULTY AND OTHER OFFICERS.

JOHN HOWARD HARRIS, PH. D., LL. D., PRESIDENT,
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FREEMAN LOOMIS, A. M., PH. D.,
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NEW JERSEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.

LINCOLN HULLEY, A. M., PH. D.,
PROFESSOR OF HISTORY AND BIBLICAL LITERATURE.

WILLIAM EMMET MARTIN, A. M.,
PROFESSOR OF LOGIC AND ANTHROPOLOGY.

MISS EVELINE JUDITH STANTON, PH. M.,
DEAN OF THE COLLEGE WOMEN.

LLEWELLYN PHILLIPS, A. M.,
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ELYSÉE AVIRAGNET, A. M.,
INSTRUCTOR IN THE ROMANCE LANGUAGES.

ALBERT BURNS STEWART, A. M.,
INSTRUCTOR IN MATHEMATICS.

LEO GUIDO CHARLES RIEMER, A. M.,
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MORRIS CRAMER VAN GUNDY, SC. B.,
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*HEMAN LINCOLN WAYLAND, D. D.,
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GEORGE DANA BOARDMAN, D. D., LL. D.,
LECTURER ON SOCIAL ETHICS.

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President Judge Seventeenth Judicial District,
LECTURER ON THE ENGLISH COMMON LAW.

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Ex-President of Indiana State University,
LECTURER ON SOCIAL SCIENCE.

BENAIAH L. WHITMAN, LL. D.,
President of Columbian University,
LECTURER ON PRACTICAL ETHICS.

WILLIAM EMMET MARTIN, A. M.,
LIBRARIAN.

WILLIAM CHRISTIAN GRETZINGER, PH. B.,
REGISTRAR OF THE UNIVERSITY.

* Deceased.

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REV. JOSEPH E. PERRY, PH. D.

Poet for 1899,
REV. JOHN GRIFFITH, A. M.

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President, ANDREW A. LEISER, A. M., ESQ., Lewisburg.

Secretary, CHARLES J. WOLF, A. M., Lewisburg.

NAMES OF STUDENTS.

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RUTLEDGE THORNTON WILTBANK, JR., PH. B.,	*Rochester, N. Y.*

GRADUATE STUDENTS, 31.

* Deceased.

THE SENIOR CLASS.

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Emmanuel Wilson Cober,	*Pine Hill.*	No. 1, East Wing
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Hubert Francis Cook,	*Forestville, N. Y.*	No. 20, East Wing
William Albion Cook,	*Forestville, N. Y.*	No. 20, East Wing
Oliver John Decker,	*Duboistown.*	No. 12, West Wing
Amos Kapp Deibler,	*Deibler's.*	No. 7, East Wing
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Leroy Hall,	*Union City.*	No. 17, East Wing
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Albert Hutchinson,	*Holmes.*	No. 3, West Wing
Robert Manning Ivins,	*Trenton, N. J.*	No. 32, East Wing

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Maurice Bacon Mulford,	*Bridgeton, N. J.*	No. 5, East Wing
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Reuben LaMont Rentz,	*Montgomery.*	No. 13, West Wing
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Cullen Frazer Shipman,	*Sunbury.*	No. 28, West Wing
Myra Amy Sprague,	*Factoryville.*	Institute
Gertrude Stephens,	*Lewisburg.*	Leroy Stephens, D. D.
Mary Stephens,	*Lewisburg.*	Leroy Stephens, D. D.
Howard Ira Stewart,	*Monongahela City.*	No. 25, West Wing
George Stephen Tilley,	*Hyde Park, Mass.*	Mrs. Wm. Gibson
William Thompson Todd,	*Allegheny City.*	No. 10, West Wing
William Myles Warren,	*Germantown.*	No. 6, East Wing
Bertha Celestine Watkins,	*Scranton.*	Institute

Seniors, 46.

THE JUNIOR CLASS.

NAME.	RESIDENCE.	ROOM.
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Marion Aubrey Carringer,	*Marienville.*	No. 7, East Wing
Joseph Henry Deppen,	*Mt. Carmel.*	No. 3, West Wing
Irvin Amon DeWitt,	*Fisher's Ferry.*	No. 27, West Wing
Glen Griffin Durham,	*Watsontown.*	Mr. W. A. Durham
Jesse Donald Evans,	*Mahanoy City.*	Chapter House
Elizabeth Lillian Foust,	*Milton.*	Mr. Tilman Foust
George Austin Grim,	*Kutztown.*	No. 27, West Wing
Charles Way Harvey,	*West Chester.*	Mrs. Fannie R. Dutton
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Winfield Scott Holland,	*Philadelphia.*	No. 31, East Wing
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Ernest Edward Johnson,	*Lewisburg.*	Prof. B. R. Johnson
Anna Curzon Judd,	*Lewisburg.*	Rev. J. T. Judd

NAME.	RESIDENCE.	ROOM.
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Emma Clare Probasco,	*Bridgeton, N. J.*	Institute
Edgar Reed,	*Lairdsville.*	No. 4, West Wing
Stephen Flock Reed,	*Lawrence Station, N. J.*	No. 18, West Wing
Walter Hartranft Renn,	*Turbotville.*	No. 13, East Wing
Green Miles Robbins,	*Mooresburg.*	No. 15, West Wing
Gertrude Wilbur Roos,	*Lewisburg.*	Mr. Charles Roos
Frank Monroe Schaeffer,	*Shelley.*	No. 15½, West Wing

NAME.	RESIDENCE.	ROOM.
GEORGE EDWARD SCHILLING,	*Cumberland, Md.*	No. 12, East Wing
JOHN SHERMAN,	*Philadelphia.*	Home
ANDREW JACKSON SHERWOOD,	*Union City.*	No. 31, West Wing
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THORNTON MOORE SHORKLEY,	*Lewisburg.*	Mr. Elisha Shorkley
HARRY COLLINS SIMONS,	*Oak Lane, Phila.*	Mrs. L. Pfenninger
HARVEY ELMER STABLER,	*Warrensville.*	No. 12, West Wing
FRANCIS MARION STAPLETON,	*Lewisburg.*	Rev. A. Stapleton
EUGENE CONSTANT SWITZER,	*St. Mary's.*	No. 25, East Wing
ISAAC RAYMOND VINCENT,	*Watsontown.*	Mr. Geo. W. Vincent
EZRA JAY WAGER,	*Hillsgrove.*	No. 32, West Wing
HARRY BORNETRAEGER WASSELL,	*Pittsburg.*	No. 3, East Wing
MARGARET ELLEN WENSEL,	*Lewisburg.*	Mr. James Wensel
CLARENCE ANDREW WEYMOUTH,	*Lock Haven.*	No. 8, West Wing
MABEL ESTELLA WHEELER,	*Erie.*	Institute
AUGUSTA GENEVIEVE WHITE,	*Bradford.*	Institute
JOHN HERBERT WILLIAMS,	*Forest City.*	No. 15, West Wing
GRACE SOPHRONIA WOODARD,	*Bradford.*	Institute
ALICIA MITCHELL ZIERDEN,	*Johnsonburg.*	Institute

JUNIORS, 56.

THE SOPHOMORE CLASS.

NAME.	RESIDENCE.	ROOM.
George Wells Alexander,	*Philadelphia.*	No. 7, East Hall
Frank Anderson,	*Wilmington, Del.*	No. 22, West Wing
Caleb Barrett Ayars, Jr.,	*Salem, N. J.*	No. 26, West Wing
Lyndon Ernest Ayres,	*Clifford.*	No. 11, West Wing
Andrew Berend Shelly Bechtel,	*Boyertown.*	No. 6, West Wing
Susan Elsie Bentz,	*New Columbia.*	Rev. J. H. Bentz
Charles Franklin Bidelspacher,	*Hepburn.*	No. 8, East Wing
Catherine Ruth Bower,	*Lewisburg.*	F. E. Bower, Esq
Thomas Reese Bower,	*Lewisburg.*	F. E. Bower, Es
Frank Eugene Burpee,	*Erie.*	No. 6, East Hall
Edwin Chapin Caldwell,	*Milton.*	Mr. J. M. Caldwell
Mary Protheroe Davies,	*Scranton.*	Institute
Thomas Evans, Jr.,	*Freeland.*	Chapter House
Maria Maude Goddard,	*Philadelphia.*	Institute
Lee McClosky Goodman,	*Loganton.*	No. 15, East Wing
Sarah Mabel Grier,	*Salem, N. J.*	Institute
William Voris Gundy,	*Lewisburg.*	Mr. J. A. Gundy

NAME.	RESIDENCE.	ROOM.
Adelaide Wood Guthrie,	*Lewisburg.*	Mrs. A. W. Guthrie
James Osborn Hackenberg,	*Milton.*	Hon. Wm. H. Hackenberg
Louis V. Hottenstein,	*Kutztown.*	No. 28, West Wing
Elbert Huff,	*Stonington.*	No. 26, West Wing
Katherine Mott Johnson,	*Lewisburg.*	Prof. B. R. Johnson
Creighton M. Konkle,	*Montoursville.*	No. 8, East Wing
Charles Byron Lesher,	*Northumberland.*	No. 21, West Wing
Ernest Johnson Magee,	*Clarion.*	Mrs. G. A. Kauffman
Harry Louis Maize,	*Lewisburg.*	Mrs. Hannah M. Maize
Albert Funk Meschter,	*East Greenville.*	No. 17, West Wing
Elmer Henry Myers	*Buckingham.*	No. 28, East Wing
William John Peacock,	*Pittsburg.*	Mrs. Wm. Gibson
Edith Lee Phillips,	*Plymouth.*	Institute
Raymond Griffith Pierson,	*Philadelphia.*	No. 14, West Wing
Robert Jerome Powell,	*Ridgway.*	Mrs. G. A. Kauffman
Oscar Naylor Rambo,	*Pottstown.*	Chapter House
Morris Floyd Reading,	*Williamsport.*	No. 14, West Wing
Philip Reilly,	*Philadelphia.*	No. 28, East Wing
Hugo Bruno Charles Riemer,	*Lewisburg.*	No. 27, East Wing

NAME.	RESIDENCE.	ROOM.
Joseph Zerbe Rowe,	*Reading.*	No. 14, West Wing
Walter Elmer Ruch,	*Northumberland.*	No. 21, West Wing
David Asbury Sausser,	*Shamokin.*	Chapter House
Isabel Schweier,	*Mifflintown.*	Miss Fannie McLaughlin
Kathryn Edna Schwenk,	*Lewisburg.*	Mr. J. E. K. Schwenk
Edgar Thompson Shields,	*Lewisburg.*	Mr. William Shields
Samuel Calvin Smith,	*Hollidaysburg.*	No. 16, East Wing
Jay F. Snyder,	*Cooperstown.*	No. 32, West Wing
John Storer Stephens,	*Lewisburg.*	Leroy Stephens, D. D.
William Espy Thompson,	*Pittston.*	No. 15, West Wing
Harland Adams Trax,	*Oil City.*	No. 24, East Wing
Francis Thomas Walker,	*Wilmington, Del.*	No. 22, West Wing
Leslie Harvey Walton,	*Chester.*	No. 29, West Wing
Frank Wesley Ward,	*Ridgway.*	Mr. G. A. Kauffman
Bessie Helen Wells,	*Moorestown, N. J.*	Institute
Francis Adam Witmer,	*Sunbury.*	Chas. B. Witmer, Esq
Charles Wagner Wolfe,	*Bangor.*	No. 29, West Wing
Jennie May Wood,	*Horseheads, N. Y.*	Institute

Sophomores, 54.

THE FRESHMAN CLASS.

NAME.	RESIDENCE.	ROOM.
Edwin Cook Amerman,	*Danville.*	No. 19, West Wing
Lee A. Amsler,	*Marienville.*	No. 30, East Wing
Mark L. Anthony,	*Mount Top.*	No. 31, West Wing
Edna Lorine Bacon,	*Dividing Creek, N. J.*	Institute
Harold Barnes,	*Bayonne, N. J.*	No. 14, East Hall
Albert Francis Bassford,	*Norristown.*	Mrs. Margaret Anderson
Richard McKnight Bell.	*Sabbath Rest.*	No. 5, West Wing
Gertrude Martin Bunker,	*Altoona.*	Institute
Helen Witter Buoy,	*Milton.*	Mr. James Buoy
Edward Burrows,	*Keyport, N. J.*	No. 31, East Wing
Webster Calvin,	*Hollidaysburg.*	No. 22, East Hall
Charles Culp Cooner,	*Watsontown.*	Mr. J. B. Cooner
Allan Craig Cunningham,	*Philadelphia.*	No. 5, Main Hall
James Mercer Davis,	*Great Bridge, Va.*	No. 12, East Wing
John Davis,	*Nanticoke.*	Mrs. H. Anderson
Joseph Sanford Davis,	*Othello, N. J.*	No. 19, East Wing
Milton Judson Davis,	*Lewisburg*	Mrs. Margaret R. Davis
Gertrude Jane Deppen,	*Mt. Carmel.*	Institute
Cyrus Clifton Dunkel,	*Buffalo Roads.*	Mr. J. E. Dunkel
William Leigh Durham,	*Watsontown.*	Mr. W. A. Durham
Jean Margaret Ebert,	*Altoona.*	Institute
George Ernest Edgett,	*Titusville.*	Mr. Gottlob Krise

NAME.	RESIDENCE.	ROOM.
Calvin Hayes Elliott,	*Hartleton.*	No. 5, West Wing
Ralph Elliott,	*Tower City.*	No. 23, East Wing
Charles Edward Goodall,	*Camden, N. J.*	No. 29, East Wing
William Turner Gray,	*St. Denis, Md.*	No. 16, West Wing
Raymond Greene,	*Lewistown.*	No. 31, West Wing
Carrie Jeanette Halfpenny,	*Lewisburg.*	Mr. Frank Halfpenny
Henry Thomas Harvey, Jr.,	*Lock Haven.*	No. 20, East Hall
Eli Peter Heckert,	*Pillow.*	No. 11, East Wing
Jesse Cornelius Higgins,	*Lewisburg.*	Mr. D. P. Higgins
John Sydney Hoffa,	*Washingtonville.*	No. 30, East Wing
Thomas Phillips Kyle,	*Brooklyn, N. Y.*	Mr. Gottlob Krise
Curtis Cook Lesher,	*Lewisburg.*	Mr. P. M. Lesher
Jessie Barton Lovell,	*Huntingdon.*	Institute
Willis Edgar Maneval,	*Liberty.*	No. 2, West Wing
Olin Stacy Voke Marts,	*Dividing Creek, N. J.*	No. 6, West Wing
Christopher Mathewson, Jr.,	*Factoryville.*	No. 18, East Wing
Edith Overholt McCain,	*Philadelphia.*	Institute
John William McCracken,	*Kerrmoor.*	Mrs. H. Anderson
Elizabeth Brown Montgomery,	*Turbotville.*	Institute
Annie E. Noaker,	*Milton.*	Mrs. J. J. Snyder
John Black Packer,	*Sunbury.*	No. 8, West Wing
David Alexander Pitts,	*Philadelphia.*	Mrs. L. Pfenninger
Foster Samuel Post,	*Centreville.*	No. 25, East Wing
Karl Campbell Prichard,	*Catlettsburg, Ky.*	No. 32, East Wing
Frances Anna Race,	*Scranton.*	Institute

NAME.	RESIDENCE.	ROOM.
William Sawyer Robinson,	*Mooresburg.*	No. 2, East Wing
Charity Margaret Runyan,	*Lewisburg.*	Mr. Milton Runyan
Frances Gertrude Scott,	*Spring Garden.*	Institute
Jeanette Bennett Shepard,	*Baltimore, Md.*	Institute
Thomas Andrew Sherbondy,	*Bala.*	No. 15, East Wing
Charlotte Elliott Shields,	*Lewisburg.*	Mr. William Shields
Herbert Downs Simpson,	*Mt. Pleasant.*	Mrs. Margaret Anderson
James Wilson Snyder,	*Patricksburg.*	No. 11, East Wing
Frank White Stanton,	*Chinchilla.*	No. 27, East Wing
Ernest A. Sterling,	*Brooklyn.*	No. 18, East Wing
Frank Jackson Stoughton,	*Lewisburg.*	Mr. F. C. Stoughton
Daniel D. Stroup,	*Milton.*	Home
Lewis Edwin Theis,	*Bridgeton, N. J.*	No. 29, East Wing
Levi Joseph Ulmer,	*Hepburn.*	No. 2, West Wing
Mary A. Unger,	*Danville.*	Institute
Herbert Rinard Von Dorster,	*Catawissa.*	Mrs. Howard Slear
Franklin William Wagner,	*Marienville.*	No. 7, West Wing
John Holman Weiser,	*Mahantango.*	Mr. J. G. App
Lulu L. Welliver,	*Danville.*	Institute
Louis Oren Williams,	*Pittsburg.*	Mr. G. A. Kauffman
Thomas Lamar Williams,	*Mt. Carmel.*	No. 10, West Wing
Martha Wolfe,	*Lewisburg.*	Mrs. Martha E. Wolfe
Charles Arthur Woodard,	*Bradford.*	No. 14, East Wing
William Edward Woodyear,	*Baltimore, Md.*	No. 16, West Wing
Mary Templeton Wylie,	*Rimersburg.*	Institute

Freshmen, 72.

PURSUING SPECIAL STUDIES.

NAME.	RESIDENCE.	ROOM.
Ray Harris Case,	*Lewisburg.*	Mr. E. S. Case
George Thomas Cooper,	*Lewistown.*	Home
Allen Oscar Finn,	*Clifford.*	No. 8½, East Wing
John Arthur Hague,	*Plymouth.*	No. 4, West Wing
Henry Joseph Johnson,	*Sharon Hill.*	No. 5, East Wing
Amandus Merkel Smith,	*Kutztown.*	No. 30, West Wing
Emily Belle Boas Sober,	*Sunbury.*	Home
Miles Timlin,	*Valier.*	No. 7, West Wing
Clemens Wagner,	*Exchange.*	No. 6, East Wing
Yencer Weidensaul,	*Lewisburg.*	Home

Specials, 10.

SUMMARY.

Graduate Students,	31
The Senior Class,	46
The Junior Class,	56
The Sophomore Class,	54
The Freshman Class,	72
Pursuing Special Studies,	10
Total in the College.	269

ADMISSION.

TO FRESHMAN STANDING.

I. **General Requirements.**—Examinations for admission to the Freshman Class will be held on Monday of Commencement week. Candidates will assemble in Bucknell Hall at 8.30 A.M.

Similar examinations are also held on the day preceding the opening of each term. In special cases, candidates may be examined and admitted at other times in the year.

Candidates are expected to be well prepared in the English branches named below. They will be as strictly examined in these studies as in the Ancient Languages and Mathematics.

There must be furnished to the President by the candidate satisfactory testimonials of good moral character, and, if from another college, a certificate of honorable dismission must be presented.

The required age for admission to the Freshman Class is fifteen years.

II. **Particular Requirements** are as follows for the respective courses:

I. THE CLASSICAL COURSE.

To enter the Classical Course the student must sustain an examination in:—

ENGLISH.

1. Writing from dictation.
2. English Grammar.
3. Elements of Rhetoric—Invention, Style, and Punctuation.
4. A brief composition upon a subject assigned at the time of the examination.

No candidate will be accepted in English whose work is notably defective in spelling, punctuation, idiom, or division into paragraphs.

I. **Reading.**—A certain number of books are set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instruotor, containing compositions or other written work done in connection with the reading of the books. In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of Rhetoric.

The books set for this part of the examination will be:

1899. Dryden's Palamon and Arcite; Pope's Translation of the Iliad (Books I, VI, XXII, and XXIV); The Sir Roger de Coverley Papers in The Spectator; Goldsmith's Vicar of Wakefield; De Quincey's Flight of a Tartar Tribe; Cooper's Last of the Mohicans; Lowell's Vision of Sir Launfal; Hawthorne's House of the Seven Gables.

1900. Dryden's Palamon and Arcite; Pope's Translation of the Iliad (Books I, VI, XXII, and XXIV); The Sir Roger de Coverley Papers in The Spectator; Goldsmith's Vicar of Wakefield; Scott's Ivanhoe; De Quincey's Flight of a Tartar Tribe; Cooper's Last of the Mohicans; Tennyson's Princess; Lowell's Vision of Sir Launfal.

1901. George Eliot's Silas Marner; Pope's Translation of the Iliad (Books I, VI, XXII, and XXIV); The Sir Roger de Coverley Papers in The Spectator; Goldsmith's Vicar of Wakefield; Scott's Ivanhoe; Shakspere's Merchant of Venice; Cooper's Last of the Mohicans; Tennyson's Princess; Coleridge's Rime of the Ancient Mariner.

1902. George Eliot's Silas Marner; Pope's Translation of the Iliad (Books I, VI, XXII, and XXIV); The Sir Roger de Coverley Papers in The Spectator; Goldsmith's Vicar of Wakefield; Scott's Ivanhoe; Shakspere's Merchant of Venice; Cooper's Last of the Mohicans; Tennyson's Princess; Coleridge's Rime of the Ancient Mariner.

II. **Study and Practice.**—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form, and structure.

The books set for this part of the examination will be:

1899. Shakspere's Macbeth; Milton's Paradise Lost (Books I and II); Burke's Speech on Conciliation with America; Carlyle's Essay on Burns.

1900. Shakspere's Macbeth; Milton's Paradise Lost (Books I and II); Burke's Speech on Conciliation with America; Macaulay's Essays on Addison and Milton.

1901. Shakspere's Macbeth; Milton's L'Allegro, Il Penseroso, Comus and Lycidas; Burke's Speech on Conciliation with America; Macaulay's Essays on Addison and Milton.

1902. Same as 1901.

MATHEMATICS.

1. Arithmetic, including the Metric System.
2. Algebra, including Quadratic Equations. The requirements in this study are intended to include the treatment of Radicals, and will be most nearly met by the use of Wells' University Algebra.
3. Plane Geometry.

LATIN.

1. Latin Grammar—Allen and Greenough's, Harkness', or Bennett's.
2. Daniell's Latin Prose Composition.
3. Four books of Cæsar's Commentaries.
4. Six orations of Cicero.
5. Six Books of Vergil's Æneid.

GREEK.

1. Greek Grammar—Hadley and Allen's or Goodwin's.
2. The equivalent of Jones' Greek Prose Composition—20 Lessons.
3. Greek Reader.
4. Four Books of Xenophon's Anabasis.
5. Three Books of Homer's Iliad.

HISTORY.

1. History of Rome.
2. History of Greece.
3. Elements of United States History.

SCIENCE.

1. Geography—Descriptive, Political, and Physical.
2. The student is recommended to read some elementary work on Physics and on Physiology; also Morse's "First Book in Zoölogy," Gray's "How Plants Grow," and Dana's "Geological Story Briefly Told." This reading should be done before entering upon the studies of the Sophomore year. The necessary books can be obtained in the University Library.

In any of the subjects of examination, satisfactory equivalents will be accepted for the text-books named.

II. THE PHILOSOPHICAL COURSE.

I. THE LATIN DIVISION.—To enter the Latin Division of the Philosophical Course, the candidate must sustain an examination in the above-named studies, except Greek, and in Elementary Physics and Physiology.

II. THE GREEK DIVISION.—To enter the Greek Division of the Philosophical course, the candidate must sustain an examination in the above-named studies, except Cicero and Vergil, and in Elementary Physics and Physiology.

III. THE SCIENTIFIC COURSE.

To enter the Scientific Course, the candidate must sustain examination in English Grammar, Elements of Rhetoric, English Composition, English Literature, including the reading required for the Classical Course; Arithmetic, including the Metric System; Algebra, through Quadratic Equations, and Plane Geometry; Latin Grammar, Latin Composition (Daniell's Part I, or an equivalent), Cæsar's Commentaries, Four Books; Elementary Physics, Physiology and Hygiene, and Botany; Geography, Mathematical, Political, and Physical; History of the United States, General History, and Civil Government.

ADMISSION ON CERTIFICATE.

Graduates of Bucknell Institute in any of the courses will be admitted to the Sophomore year of the corresponding course in the College.

Graduates from Bucknell Academy in the Classical Course, or in the Scientific Course, will be admitted to the corresponding course in the College upon the certificate of the Principal of the Academy.

Graduates of Pennsylvania State Normal Schools are admitted to the Scientific Course without examination.

Students who have completed a course of study in preparatory schools of high grade may be admitted upon the certificate of the Principal of the school from which they come.

CONDITIONAL ADMISSION.

A candidate failing to pass in one or more of the subjects required for admission may, at the discretion of the Faculty, be admitted to his class conditionally, to make up his deficiencies by extra study. When they are made up he will be received into full standing in his class.

SPECIAL STUDENTS.

Students who do not desire to take a full regular course can enter and select special shorter courses, with the sanction of the Faculty; but, in all cases, satisfactory examination must be passed upon the subjects required for admission to the Freshman class of the course from which they intend to select.

TO ADVANCED STANDING.

I. **General Requirements.**—A proportionate increase of age is required for admission to advanced classes over that required for admission to Freshman standing. Other general requirements are the same as for admission to the Freshman class.

II. **Particular Requirements.**—Candidates for admission to advanced classes are examined both as for admission to Freshman standing and also in the studies that have been pursued by the class which they desire to enter.

LOCAL EXAMINATION FOR ADMISSION.

Arrangements have been made for conducting entrance examinations at Philadelphia, Pittsburg, Harrisburg, and Scranton. Those intending to present themselves for examination at either of these places should inform the President of the University of their intention, and the necessary information as to details will be furnished.

The next examination will be held Friday, June 16th, 1899.

COURSES OF STUDY.

The following Course of Study may be pursued in the College:

I. **The Classical Course** extends through four years, and aims to furnish a liberal education in classical and modern literature, the sciences and the arts. It comprises, substantially, the studies of the established college curriculum, with the addition of such branches as modern life seems to demand. The studies in the Freshman year and in the first term of the Sophomore year are required; in the second and third terms of the Sophomore year and in the Junior and Senior years most of the studies are elective. Students who have satisfactorily pursued this course are admitted to the degree of Bachelor of Arts.

II. **The Philosophical Course,** with Latin or Greek, in each of its two divisions, also extends through four years, and aims to furnish a thorough training in advanced studies to those who desire to pursue but one of the Ancient Languages. This course contains four terms of such language study, be it of Latin or Greek, most of the other studies of the Classical Course, with some addition of Scientific subjects. Those who have completed the studies of the course are admitted to the degree of Bachelor of Philosophy.

III. **The Scientific Course** extends through four years, and is substantially the same as the Philosophical Course, with the substitution of additional Mathematical, Scientific, and Modern Language studies for Latin and Greek. Those who have completed the course are admitted to the degree of Bachelor of Science.

In the selection of optional studies in the above courses, the choice is made with the approbation of the Faculty.

IV. **The Eclectic Course** is not limited to any definite time, and does not lead to any degree. Every student is required to select at least three studies from those taught during any given term, and these are to be pursued at the same time. Students pursuing selected courses will perform rhetorical work and attend chapel and lectures the same as regular students. Students will not be allowed to pursue studies for which they are not fully qualified by their previous training.

V. **Advanced Courses** in Literature, Philosophy, and Science have been established, leading respectively to the degrees of Master of Arts, Master of Philosophy, and Master of Science. These courses are open to graduates of Bucknell University only. Particulars may be learned by addresssing the President.

CURRICULA.

I. THE CLASSICAL COURSE

Leading to the Degree of Bachelor of Arts.

FRESHMAN YEAR.

I. TERM— { Geometry, / Algebra, } Lectures on Hygiene,
Cicero de Senectute and Livy, Lectures on the Essay,
{ Odyssey, / Greek Prose Composition. } English Composition,
Elocution.

II. TERM— { Algebra, / Plane Trigonometry, } Lectures on Rhetoric,
Livy, English Composition,
{ Lysias' Orations, / Greek Testament, } Elocution.

III. TERM— { Analytical Geometry, / Spherical Trigonometry, } Chemistry, Course 1,
Paterculus and Pliny, English Composition,
{ Plato's Apology, / Greek Testament, } Elocution.

SOPHOMORE YEAR.

I. TERM—Chemistry, Course 2, Linear Perspective,
Horace, English Composition,
Rhetoric, Elocution.

II. TERM—Demosthenes, History of Art,
English Literature, English Composition,
Animal Physiology, or Elocution.
Chemistry, Course 3, or
Advanced Algebra,

III. TERM—Botany, English Literature,
German, English Composition,
Elocution.

ELECTIVE STUDIES:

Juvenal, *Higher Analytical Geometry*,
English Oratory, *Civil Engineering*,
Elocution, *Anthropology*,
Chemistry, Course 4.

JUNIOR YEAR.

I. TERM—Mechanics, History of Education,
French, Orations,
Elocution.

ELECTIVE STUDIES:

Æschylus and Sophocles, *Differential Calculus,*
Plautus and Terence, *Surveying,*
German, Course 2, *Chemistry, Course* 5,
Spanish, *Zoölogy,*
Greek History, *Embryology,*
History, Course 4, *Sociology.*
History, Course 5,

II. TERM—Physics, Biblical Literature,
Orations, Elocution.

ELECTIVE STUDIES:

Euripides, *Logic,*
German, Schiller, *Advanced Composition,*
French, Course 2, *Integral Calculus,*
Spanish, *Advanced Algebra,*
English Bible, *Chemistry, Course* 6,
History, Course 6, *Animal Histology.*
Roman History,
History of Art,

III. TERM—Astronomy, Geology,
Orations, Elocution.

ELECTIVE STUDIES:

Aristophanes, *American Civics,*
Latin Inscriptions, *Parliamentary Law,*
German, Goethe, *History, Course* 5,
French, Course 3, *Physics,*
Spanish, *Chemistry, Course* 7,
English Bible, *Biology,*

And subjects offered in the third term of the Sophomore year.

SENIOR YEAR.

I. TERM—Psychology, Literature,
Orations.

* ELECTIVE STUDIES:

Demosthenes de Corona, *Comparative Law,*
Tacitus, Annals, *Blackstone's Commentaries,*
German, Lessing, *International Law,*
French, Course 4, *Practical Astronomy,*
Anglo-Saxon, *Geology,*
History, Course 1, *Comparative Anatomy,*
Chemistry, Course 8.

* Seniors may take any of the electives of the Junior year for corresponding terms.

II. TERM—Ethics, History of Philosophy,
Orations.

* ELECTIVE STUDIES:

Plato, *Economics*,
German, Course 6, *Roman Law*,
French, Course 5, *Blackstone's Commentaries*,
History, Course 2, *Human Anatomy*,
Chemistry, Course 9.

III. TERM—Theism, Greek Literature,
Orations.

ELECTIVE STUDIES:

Greek Testament, *History, Course* 3,
Roman Philosophy, *Constitutional Law*,
German, Course 7, *Blackstone's Commentaries*,
French, Course 6, *Private Corporations*,
Shakspere, *Chemistry, Course* 10,
Materia Medica.

II. THE PHILOSOPHICAL COURSE,

Leading to the Degree of Bachelor of Philosophy.

A. Latin Division.

FRESHMAN YEAR.

I. TERM— { Geometry, Lectures on Hygiene,
Algebra, Lectures on the Essay,
Cicero de Senectute and Livy, English Composition,
German, Elocution.

II. TERM— { Algebra, Lectures on Rhetoric,
Plane Trigonometry, English Composition,
Livy, Elocution.
German,

III. TERM— { Spherical Trigonometry, Chemistry, Course 1,
Analytical Geometry, English Composition,
Paterculus and Pliny, Elocution.
French,

SOPHOMORE YEAR.

I. TERM—Chemistry, Course 2, Linear Perspective,
Rhetoric, English Composition,
Horace, Elocution.

*Seniors may take any of the electives of the Junior year for corresponding terms.

II. Term—English Literature, History of Art,
Animal Physiology, English Composition,
Advanced Algebra, or Elocution.
Chemistry, Course 3, or
German,

III. Term—Botany, English Literature,
English Composition, Elocution.

Elective Studies:

Juvenal, *Higher Analytical Geometry*,
English Oratory, *Civil Engineering*,
Elocution, *Chemistry, Course* 4,
Anthropology.

JUNIOR YEAR.

I. Term—Mechanics, History of Education,
French, Orations,
Elocution.

Elective Studies:

Plautus and Terence, *Sociology*,
German, Course 2, *Differential Calculus*,
Spanish, *Surveying*,
History, Course 4, *Chemistry, Course* 5,
History, Course 5, *Zoölogy*,
Greek History, *Embryology.*

II. Term—Physics, Biblical Literature,
Orations, Elocution.

Elective Studies:

German, Schiller, *History of Art*,
French, Course 2, *Logic*,
Spanish, *Advanced Composition*,
English Bible, *Integral Calculus*,
Roman History, *Chemistry, Course* 6,
History, Course 6, *Animal Histology.*

II. Term—Astronomy, Geology,
Orations, Elocution.

Elective Studies:

Latin Inscriptions, *Parliamentary Law.*
German, Goethe, *History, Course* 5,
French, Course 3, *Physics*,
Spanish, *Chemistry, Course* 7,
English Bible, *Biology*,
American Civics,
And subjects offered in the third term, Sophomore year.

SENIOR YEAR.

I. TERM—Psychology, Literature,
Orations.

* ELECTIVE STUDIES.

Tacitus: Annals,	*Blackstone's Commentaries,*
German, Lessing,	*International Law,*
French Course 4,	*Practical Astronomy,*
History, Course 1,	*Chemistry, Course* 8,
Comparative Law,	*Comparative Anatomy,*
Anglo-Saxon,	*Geology.*

II. TERM—Ethics. History of Philosophy,
Orations.

* ELECTIVE STUDIES.

German, Course 6,	*Roman Law,*
French, Course 5,	*Blackstone's Commentaries,*
Economics,	*Chemistry, Course* 9,
History, Course 2,	*Human Anatomy.*

III. TERM—Theism, Greek Literature,
Orations.

* ELECTIVE STUDIES.

Roman Philosophy,	*Constitutional Law,*
German, Course 7,	*Blackstone's Commentaries,*
French, Course 6,	*Private Corporations,*
Shakspere,	*Chemistry, Course* 10,
History, Course 3,	*Materia Medica.*

B. Greek Division.

FRESHMAN YEAR.

I. TERM— { Geometry, / Algebra, } Lectures on Hygiene,
Odyssey, Lectures on the Essay,
German, English Composition,
Elocution.

II. TERM— { Algebra, / Plane Trigonometry, } Lectures on Rhetoric,
{ Lysias' Orations, / Greek Testament, } English Composition,
German, Elocution.

III. TERM— { Spherical Trigonometry, / Analytical Geometry. } Chemistry, Course 1,
{ Plato's Apology, / Greek Testament, } English Composition,
French, Elocution.

* Seniors may take any of the electives of the Junior year for corresponding terms.

SOPHOMORE YEAR.

I. TERM—Chemistry, Course 2, Linear Perspective,
Rhetoric, English Composition,
Greek History, Elocution.

II. TERM—English Literature, History of Art,
Demosthenes, English Composition,
Animal Physiology, or Elocution.
Chemistry, Course 3, or
Advanced Algebra, or
German,

III. TERM—Botany, English Literature,
English Composition, Elocution.

ELECTIVE STUDIES:

English Oratory, *Higher Analytical Geometry*,
Elocution, *Civil Engineering*,
Chemistry, Course 4, *Anthropology*.

JUNIOR YEAR.

I. TERM—Mechanics, History of Education,
French, Orations,
Elocution.

ELECTIVE STUDIES:

Æschylus and Sophocles, *Sociology*,
German, Course 2, *Surveying*,
Spanish, *Differential Calculus*,
History, Course 4, *Chemistry, Course* 5,
History, Course 5, *Zoölogy*,
Embryology.

II. TERM—Physics, Biblical Literature,
Orations, Elocution.

ELECTIVE STUDIES:

Euripides, *History of Art*,
German, Schiller, *Logic*,
French, Course 2, *Advanced Composition*,
Spanish, *Advanced Algebra*,
English Bible, *Integral Calculus*,
Roman History, *Chemistry, Course* 6,
History, Course 6, *Animal Histology*.

III. TERM—Astronomy, Geology,
Orations, Elocution.

ELECTIVE STUDIES:

Aristophanes, *American Civics*,
German, Goethe, *Parliamentary Law*,
French, Course 3, *History, Course* 5,
Spanish, *Physics*,
English Bible, *Chemistry, Course* 7,
Biology,

And subjects offered in the third term, Sophomore year.

SENIOR YEAR.

I. TERM—Psychology, Literature,
Orations.

* ELECTIVE STUDIES:

Demosthenes de Corona,
German, Lessing,
French, Course 4,
Anglo-Saxon,
History, Course 1,
Comparative Law,
Blackstone's Commentaries,
International Law,
Practical Astronomy,
Chemistry, Course 8,
Comparative Anatomy,
Geology.

II. TERM—Ethics, History of Philosophy,
Orations.

* ELECTIVE STUDIES:

Plato,
German, Course 6,
French, Course 5,
Roman Law,
History, Course 2,
Blackstone's Commentaries,
Economics,
Chemistry, Course 9,
Human Anatomy.

III. TERM—Theism, Greek Literature,
Orations.

* ELECTIVE STUDIES:

Greek Testament,
German, Course 7,
French, Course 6,
Shakspere,
Constitutional Law,
Blackstone's Commentaries,
Private Corporations,
History, Course 3,
Chemistry, Course 10,
Materia Medica.

III. THE SCIENTIFIC COURSE,

Leading to the Degree of Bachelor of Science.

FRESHMAN YEAR.

I. TERM— { Geometry, / Algebra, German, Cornelius Nepos, Lectures on Hygiene, Lectures on the Essay, English Composition, Elocution.

II. TERM— { Algebra, / Plane Trigonometry, German, Sallust, Lectures on Rhetoric, English Composition, Elocution,

* Seniors may take any of the electives of the Junior year for corresponding terms.

III. Term— { Spherical Trigonometry, / Analytical Geometry, } Chemistry, Course 1,
French, English Composition,
Ovid, Elocution.

Sophomore Year.

I. Term—Rhetoric, Linear Perspective,
Chemistry, Course 2, English Composition,
Surveying, or Elocution.
Horace, or
German,

II. Term—English Literature, History of Art,
Animal Physiology, English Composition,
Advanced Algebra, or Elocution.
Chemistry, Course 3, or
German,

III. Term—Botany, English Versification,
English Composition, Elocution.

Elective Studies:

English Oratory, *Higher Analytical Geometry*,
Elocution, *Civil Engineering*,
Anthropology, *Chemistry, Course* 4.

Junior Year.

I. Term—Mechanics, Orations,
History of Education, Elocution.

Elective Studies:

German, Course 2, *Sociology*,
French, Course 1, *Differential Calculus*,
Spanish, *Surveying*,
Greek History, *Chemistry, Course* 5,
History, Course 4, *Zoölogy*,
History, Course 5, *Embryology*.
Parliamentary Law,

II. Term—Physics, Electricity and Magnetism,
Orations, Elocution.

Elective Studies:

German, Schiller, *History of Art*,
French, Course 2, *Logic*,
Spanish, *Advanced Composition*,
English Bible, *Integral Calculus*,
Roman History, *Chemistry, Course* 6.
History, Course 6, *Animal Histology*.

III. Term—Astronomy, Geology,
Orations, Elocution.

ELECTIVE STUDIES:

German, Goethe,	*Parliamentary Law,*
French, Course 3,	*History, Course* 5,
Spanish,	*Physics,*
English Bible,	*Chemistry, Course* 7,
American Civics,	*Biology,*

And subjects offered in the third term, Sophomore year.

SENIOR YEAR.

I. TERM—Psychology, Literature,

Orations.

* ELECTIVE STUDIES:

German, Lessing,	*Blackstone's Commentaries,*
French, Course 4,	*International Law,*
Anglo-Saxon,	*Practical Astronomy,*
History, Course 1,	*Comparative Anatomy,*
Comparative Law,	*Chemistry, Course* 8,

Geology.

II. TERM—Ethics, History of Philosophy,

Orations.

* ELECTIVE STUDIES:

German, Course 6,	*Blackstone's Commentaries,*
French, Course 5,	*History, Course* 2,
Economics,	*Human Anatomy,*
Roman Law,	*Chemistry, Course* 9.

III. TERM—Theism, Greek Literature,

Orations.

* ELECTIVE STUDIES:

German, Course 7,	*Blackstone's Commentaries,*
French, Course 6,	*Private Corporations,*
Shakspere,	*History, Course* 3,
Constitutional Law,	*Materia Medica,*

Chemistry, Course 10.

* Seniors may take any of the electives of the Junior year for corresponding terms.

LECTURES.

The following Courses of Lectures have been established. They are given immediately after the chapel exercises on each Monday morning.

SENIOR CLASS.

I. TERM—Professor Perrine on American Literature.
Professor Hulley on Biblical Literature.
II. TERM—The President on Philosophy.
III. TERM—Professor Hamblin on Greek Literature.

JUNIOR CLASS.

I. TERM—The President on the History of Education.
II. TERM—Professor Hulley on Biblical Literature.
III. TERM—Professor Groff on Geology.

SOPHOMORE CLASS.

I. TERM—Professor Bartol on Linear Perspective.
II. TERM—Professor Martin on the History of Art.
III. TERM—Professor Perrine on English Literature.

FRESHMAN CLASS.

I. TERM—Professor Groff on Hygiene.
Professor Perrine on the Essay and Oration.
II. TERM—Professor Perrine on Rhetoric.
III. TERM—Professor Owens on Chemistry.

SPECIAL LECTURES.

1. A Course of Lectures is given yearly on Sociology, by Lemuel Moss, D. D., LL. D.

2. A Course of Lectures is given yearly on Social Ethics, by George Dana Boardman, D. D., LL. D.

3. A Course of Lectures on Practical Ethics is given yearly, by Benaiah L. Whitman, LL. D.

4. A Course of Lectures is given annually on the Elements of Law, by Honorable Harold Murray McClure, A. M.

DEPARTMENTS OF INSTRUCTION.

The method of instruction in the College is partly by text-books and partly by lectures, according to the nature of the subject. Each Professor has his individual mode of imparting knowledge, and this, in the result, is advantageous to the learner. In general, the aim is to discuss each subject as far as possible as the subject-matter requires, yet all branches are presented practically, comparatively, and historically, with the view of leading the student to the apprehension of the subject as a whole and in its organic relations. The range and character of the instruction can be gathered from the following account of the different departments.

I. ELOCUTION AND ORATORY.

INSTRUCTOR PHILLIPS.

The aim is to train the student to speak effectively in the pulpit or upon the platform or at the bar. All instruction is based on the principle that impression precedes and determines expression. Each student receives individual attention during the first half of the course in Elocution, during the latter half, in Oratory. Special attention is given to Debate. Every student is urged to take an active part in the work of the Literary Societies, and credit is given for work done in them.

FRESHMEN.

First Term.—Vocal training. Exercises in breathing and selections for the development of the voice.

Second Term.—Vocal training, Articulation and Description. The work in the development of the voice will be continued with exercises in Phonology.

Third Term.—Description and Gesture. Selections in Description will be delivered and Pantomimic Expression begun.

SOPHOMORES.

First Term.—Narration and Pantomimic Expression. Selections in Narration will be studied and delivered.

Second Term.—Argumentation and Narration. The principles and delivery of argumentative discourse will be studied.

Third Term.—Argumentation.—Each student will be required to debate at least twice.

JUNIORS.

Each member pronounces two orations a term. A prize contest in oratory is held in the third term. During the year there are three public debates, the last of which is a prize debate.

Four general debates in the Literary Society and two briefs may be substituted for the rehearsal of one oration. One leading debate is equivalent to two general debates.

SENIORS.

For Seniors the work is optional. A prize is offered for the best oration at Commencement. Eight general debates in the Literary Society, and four briefs shall constitute a term's work. One leading debate is equivalent to two general debates.

Oratorical Delivery.—This course includes respiration, cultivation of the voice, pronunciation, and the principles of vocal and gestural expression. Theory is secondary to practice. The student receives daily drill in the different modes of expression.

Text-book: Curry's Vocal Expression. Reference is made to Curry's Imagination and Dramatic Instinct, Curry's Province of Expression, Fénélon's Pulpit Eloquence, Brookings and Ringwalt's Briefs for Debate.

Third term, Sophomore year, five hours a week.

Extemporaneous Speaking.—A course, also, is offered to the Juniors and Seniors in Parliamentary Law and Extemporaneous Speaking, the aim of which is to familiarize the student with parliamentary usage in theory and practice, and to develop by daily exercises ability in extemporaneous speaking.

Elective to Juniors and Seniors, first term.

PRIZES.

A prize will be awarded to the young man of the Freshmen Class who shall excel in the delivery of an assigned selection in description.

A prize will be awarded to the young man of the Sophomore Class who shall excel in the delivery of an assigned selection in argumentation.

A prize will be awarded to the young woman of the Sophomore Class who shall excel in the delivery of an assigned selection in narration.

II. THE ENGLISH LANGUAGE AND LITERATURE.

ENOCH PERRINE, A. M., LITT. D., PROFESSOR.

I. PREPARATORY WORK.

It is assumed that the student has been well grounded in the essentials of Grammar; that he has mastered the elements of Rhetoric as presented in Genung's Outlines of Rhetoric, Mead's Elementary Composition and Rhetoric, D. J. Hill's Elements of Rhetoric, or any other work of similar grade; and that he is able to express his thoughts clearly and concisely. Special attention is called to the required reading of English classics—a list is given on page 29—and it is presumed that by reading them the student has become more or less familiar with the leading forms of literary expression—the drama, the novel, the essay, the oration.

II. AIM AND METHODS.

The aim is to cultivate the power and habit of (1) accurate thinking, (2) correct and effective composition, (3) intelligent criticism of leading English authors, and to acquire (4) a scientific knowledge of the Origin and Development of the English Language. The methods are largely those known as Laboratory Methods, and in all cases where it is possible the method of independent investigation is pursued. The course in Rhetoric is after the constructive rather than the critical method, although both methods are used as occasion demands. The course in English Literature pays less attention to the text-book than to a critical reading, in the class, of the representative work of each author studied. The student is urged to know, rather than to know about, English Literature; a few authors are carefully studied, rather than many casually read; and the student's work is made to furnish real occasion, as well as material, for the preparation of essays.

III. COURSES.

1. **Rhetoric.**—Genung's Practical Rhetoric, pp. 1–300, and Genung's Rhetorical Analysis. Analysis of themes, criticisms of plans, and exercises in all the forms of Composition discussed, are required. Opportunity is afforded for an extended study of the best forms of modern English Prose. First term, Sophomore year, five hours a week.

2. **English Literature.**—Pancoast's Introduction to English Literature, or Painter's Introduction to English Literature. The authors studied and the texts required are Shakspere's As You Like It, Milton's Comus, Pope's Essay on Criticism, Wordsworth's Ode on Immortality, and Tintern Abbey, and Tennyson's Ode on the Death of the Duke of Wellington, and some of the Lyrics. Courses in collateral reading will be assigned on application, the aim being to bring the student in contact with those representative authors who illustrate the great movements of their time. Second term, Sophomore year, five hours a week.

3. **English Oratory.**—A careful study of the English Orators is made, as far as time permits, with reference to the peculiarities of each period, and especially to those of the present day. Ringwalt's Modern American Oratory, and Genung's Practical Rhetoric, cap. vii–viii, will be pursued in connection with Sears' The Occasional Address. As this is one of the electives of the third term, there is opportunity for an extended course, and readings in the older oratory will be assigned, based upon Sears' History of Oratory. Informal lectures are given on the Essentials of Eloquence, and at the close of the term an oration of not less than two thousand words is required of each student. The Library has recently been enriched in this department. Third term, Sophomore year, five hours a week.

4. **Advanced Composition** for those who have taken courses 1 and 2. Text-books, Scott and Denny's Paragraph-Writing, Genung's Practical Rhetoric, pp. 300–406; Carpenter's Advanced Composition, Lamont's Specimens of Exposition, Brewster's Specimens of Narration, and Baldwin's Specimens of Prose Description. Second term, five hours a week.

5. **Anglo-Saxon.**—Bright's Anglo-Saxon Reader, and Smith's Old English Grammar. In addition to the literature of the period, special attention will be

paid to the connection between Old English and Modern English, reference being had to Emerson's History of the English Language and Lounsbury's English Language. The subject may be continued through another term, when the whole of Beowulf may be read. For collateral reading, Freeman's Old English History and Gardiner's Students' History of England are recommended. First term, Senior year. Open to those who have taken courses 1 and 2.

6. **Shakspere.**—A study of the dramatic form in Midsummer Night's Dream, Hamlet, and the Tempest, to show the development of the poet's mind and art. Constant reference is made to Dowden's Primer of Shakspere, Dowden's Shakspere: his Mind and Art, and the Variorum editions of Furness. Various Shaksperean clubs among the students afford opportunity for further practical work. Third term, Senior year, for those who have taken courses 1 and 2.

7. **The Essay.**—Lectures are given on Monday mornings during the whole of the first and second terms to the Freshmen on "The Essay," as an especial preparation for the practical work of the course, and supplementary to the work assumed to have been done in the preparatory schools. Pearson's Principles of Composition is required, upon which regular recitations will be made.

8. **English Composition.**—In addition to the work required in Course 7, the Freshmen write two essays in the first term, and three essays in the second and third terms, of not less than eight hundred words, based upon the English readings required for entrance; the Sophomores write three essays each term; the Juniors, two orations or forensics, and the Seniors, one oration or forensic, each term. The orations presented at the exercise of the Junior Exhibition and Commencement will be received as two of the required orations. Both Essays and Orations are criticised with the author, if necessary; and in all cases an analysis must be presented.

9. **American Literature.**—During the first term lectures are given to the Seniors on Bryant, Hawthorne, Longfellow, Lowell, Whittier, and Holmes, as a preparation for those who desire more extended courses in the subject. In this course an attempt is made to give a rapid sketch of the history of American Literature, the authors above mentioned being considered as convenient points of departure. Painter's or Pancoast's Introduction to American Literature is recommended. Other courses will be given when desired by students.

HONOR COURSES IN ENGLISH.

10. **Chaucer,** his language and thought. A study of Middle English forms and pronunciation, for those who have taken courses 1 and 2, two hours a week, with required thesis on an approved topic. The Globe edition of Chaucer's works is used.

11. **Milton's Paradise Lost.**—A study of the epic. R. C. Browne's Milton, or Verity's, and S. A. Brooke's Life of Milton, with required theses, for those who have taken courses 1 and 2. Two hours a week.

12. **English Versification.**—A study of poetic forms and practice in poetic composition. Corson's Primer of English Verse is used. Two hours a week.

13. **The Development of English Prose.**—A study of its various forms from Bacon to Holmes, based on Clark's A Study of English Prose Writers. Two hours a week.

14. **Skeat's Specimens** of English Literature, 1394–1579, for those who have taken courses 1 and 2. Two hours a week.

15. **Skeat's Piers the Plowman,** for those who have taken courses 1, 2, and 5. Two hours a week.

16. **The Ormulum** and **The Ancren Riwle,** Sweet's edition, for those who have taken courses 1, 2, and 5. Two hours a week.

17. **Argumentation.**—Text-book, Baker's Principles of Argumentation. Two hours a week.

18. **Special Research.**—Any student sufficiently advanced may pursue a special line of investigation in some restricted field of English or American literature, under direction of the department.

III. THE LATIN LANGUAGE AND LITERATURE.

FRANK ERNEST ROCKWOOD, A. M., PROFESSOR.

EPHRAIM M. HEIM, A. M., INSTRUCTOR.

Students in the Classical and in the Latin Philosophical courses have four terms of required work in this department and seven of elective. Honor courses are offered in every term except the first term of the Freshman year.

In the prescribed work, the courses given and the methods of instruction employed are designed to give the student accuracy and facility in translating Latin into correct idiomatic English; the ability to read and appreciate the text in the original; a general acquaintance with the growth and development of the language and literature; a knowledge of the leading facts in Roman history; and some degree of familiarity with the life of the people. In the first term, the text is carefully studied, with special reference to forms and constructions, and considerable time is given to written translations and to oral and written composition. It is believed that in this way the faithful student can become thoroughly grounded in the elements of the language and be prepared to carry on his subsequent reading with pleasure and profit. After the first term, historical and literary topics are given greater prominence. Collateral reading is required in Liddell, Merivale, and Capes. Wilkins' Primer, supplemented by lectures, is made the basis of an outline course on Roman literature.

In the elective courses a wide range of reading is offered. While particular lines of study have been marked out, other authors may be substituted for those announced in the catalogue. In all cases it is the intention to suit the work to the needs of the class. Provision is made for those who wish by varied reading to gain as large an acquaintance with the literature as possible and also for those who desire to make a specialty of Roman history or philosophy. Students intending to become teachers are aided and directed in their work with that object in view. In the elective courses, less time is devoted to formal recitations than is the case in the prescribed work, while more attention is given to the preparation of papers on assigned topics by members of the class and to

lectures and discussions by the instructor. Lectures are given on Roman Antiquities, and these, so far as possible, are illustrated by wall-pictures, plates, and photographs.

Candidates for the degree of Bachelor of Science take Latin during the Freshman year. For this purpose special courses in Nepos, Sallust, and Ovid have been established. Scientific students are thus given an opportunity to supplement their preparatory Latin, and at the same time to receive the linguistic and literary training afforded by a year's drill in reading Latin authors. This work is under the charge of Instructor Heim. The books used are Lindsay's Nepos, Herbermann's Sallust, and Kelsey's Ovid.

The following courses, though designed more especially for students in the Arts and Philosophical courses, are open as electives to students in the Science Course, who may be qualified to pursue them:

COURSES: 1–4 required: 5–11 elective.

1. **Cicero:** *De Senectute.* Livy: Book I. Review of special topics in Latin Grammar. Oral and written exercises in Prose Composition, based upon the text. Translation at sight and at hearing. First term, Freshman year.

2. **Livy:** Books XXI and XXII. Latin Prose Composition, based upon the text. Roman history: Special chapters in Liddell. Second term, Freshman year.

3. **Velleius Paterculus:** Roman History. PLINY: Selections from the Epistles. Translation at sight. Latin Prose Composition, based upon the text. Roman History: Capes' Early Empire. Third term, Freshman year.

4. **Horace:** Selections from the Satires, Odes, and Epistles. Prosody. Historical outlines of the Latin Language and Literature; Wilkins' Primer; Lectures. First term, Sophomore year.

5. **Juvenal:** Selected Satires. Translation at sight. Roman History, Capes and Merivale. Roman Antiquities; Lectures. Third term, Sophomore year.

6. **Plautus and Terence:** Selected Plays. First term; open to Juniors and Seniors; alternating with 9.

7. **Roman Law:** Instruction is given by text-book (Morey's) and by lectures. Students are required to read on assigned topics and to make reports upon the same to the class. Second term; open to Juniors and Seniors; alternating with 10.

8. **Latin Inscriptions:** Egbert's Manual; Allen's Remnants of Early Latin. Third term; open to Juniors and Seniors; alternating with 11.

9. **Tacitus:** Annals. A large amount is read at sight. Special topics in Roman History are assigned for study. First term; open to Juniors and Seniors; alternating with 6.

10. **Roman History:** The work is based on Bury's Roman Empire. Mommsen, Merivale, and Gibbon are used for supplementary reading. Second term; open to Juniors and Seniors; alternating with 7.

11. **Roman Philosophy:** This course is based upon the philosophical works of Cicero and Seneca. Third term; open to Juniors and Seniors; alternating with 8.

HONOR COURSE IN LATIN.

12. **Ovid:** *Metamorphoses; Tristia; Fasti.*

13. **Cicero:** Letters; *De Officiis; Brutus.*

14. **Quintilian:** Books I, X, and XII.

15. **Latin Poets:** Crowell's Selections; Merry's Fragments of Roman Poetry.

16. **Tertullian:** *The Apology.*

17. **Comparative Philology:** An introductory course; text-book and lectures.

The following books are used: Rockwood's *Cicero de Senectute* and *Velleius Paterculus;* Westcott's Livy; Hopkins' *Agricola* and *Germania* of Tacitus; Platner's Pliny; Smith and Greenough's Horace; Lindsay's Juvenal; Frieze's Quintilian; Crowell's Selections from Latin Poets; Stickney's *Cicero de Natura Deorum;* Allen's Tacitus' Annals; Morey's Roman Law; Hurst and Whiting's Seneca; Allen and Greenough's Ovid; Holden's *Cicero de Officiis;* Fowler's Plautus; West's Terence; Kellogg's Cicero's *Brutus;* Tyler's Histories of Tacitus; Peck's Suetonius; March's Tertullian and Latin Hymns. Allen and Greenough's and Harkness' and Bennett's Latin Grammars; Harper's Latin Dictionary.

IV. THE GREEK LANGUAGE AND LITERATURE.

THOMAS FRANKLIN HAMBLIN, A. M., PROFESSOR.

There are four terms of required work in Greek in the Classical Course, and five in the Greek Philosophical Course; while Greek may be taken as an elective during the entire Junior and Senior years. Besides the elective Courses a number of Honor Courses are offered. The Freshman year is devoted to a thorough review of Accidence and Syntax, to the acquisition of a copious vocabulary, and to careful oral and written translations. Practice is also had in turning English into Greek. In the Sophomore year Rhetorical Principles and Political History and Antiquities receive more attention. In the Elective Course a year of poetry alternates with a year of prose. A course of lectures on the Greek poets is given to the Seniors, with collateral reading on various subjects. Students of the Greek Philosophical Course will be required to take one of the electives offered Juniors and Seniors.

Courses: 1–5 required; 6–12 elective.

1. **Homer:** Odyssey, Books 5–8. Review of verb forms and syntax of verbs. Epic forms and styles. Word lists. Metre. First term, Freshman year.

2. **Lysias:** Six orations. Inflection and syntax of nouns. Prose composition. Attic oratory. Translation at sight and hearing. Second term, Freshman year.

3. **Plato:** Apology and Selections. Special topics in Greek Syntax. Philosophy and influence of Socrates. The Sophists. Extracts from the Memorabilia at sight. Third term, Freshman year.

4. **Greek Political and Constitutional History:** The City. State. Oligarchies. Democracy. Federal Government. References: Oman, Greenidge, Gilbert, Fowler, Grote, Hohn.

5. **Demosthenes:** Olynthiacs and Philippics. History and Politics of the Macedonian period. Style of Demosthenes. Second term, Sophomore year.

6. **Æschylus and Sophocles:** Prometheus Bound and Antigone. The drama, theatre, and metres. First term, Juniors and Seniors; alternating with 9.

7. **Euripides:** Medea. Religious influence of the poets. Social life of the period. Second term, Juniors and Seniors; alternating with 10.

8. **Aristophanes:** The Frogs. Greek Comedy. The Age of Pericles. Influence of the Classical on the Modern Drama. Third term, Juniors and Seniors; alternating with 10.

9. **Demosthenes:** *De Corona.* The oratory of Demosthenes from a literary and political point of view. Æschines against Ctesiphon at sight. First term, Juniors and Seniors; alternating with 6.

10. **Plato:** The Phædo. Greek Philosophy. The Influence of Plato. Second term, Juniors and Seniors; alternating with 7.

11. **New Testament Greek** (A): The Gospel according to Luke. Hellenistic Greek. Second and third terms, Freshman year; one hour a week.

12. **New Testament Greek** (B): The Acts of the Apostles. Burton's Moods and Tenses. Synonyms. Designed as a review for students intending to take a Theological course. Third term, Juniors and Seniors; alternating with 8.

HONOR COURSES IN GREEK.

13. **Xenophon:** The Symposium and Œconomicus. Sophomores and Freshmen. Winter terms in alternate years.

14. **Homer and Lucian:** Selections from each in alternate years. Sophomores and Freshmen, third term.

15. **Xenophon and Æschines:** The Memorabilia and the oration against Ctesiphon in alternate years. Juniors and Seniors, first term.

16. **Sophocles and the Lyric Poets:** Antigone and selections from the Lyric Poets in alternate years. Juniors and Seniors, second term.

TEXT-BOOKS.

Perrin's Odyssey, Books 5–8; Morgan's Select Orations of Lysias; Butler's Herodotus; Sandy's Olynthiacs and Philippics; Winan's Memorabilia; White's Œdipus Tyrannus; Wecklein's Prometheus; Allen's Medea; Green's Frogs; Dyer's Apology and Towle's Protagoras; D'Ooge's De Corona; D'Ooge's Antigone; Richardson's Æschines; Holden's Œconomicus; Winan's Symposium; Wagner's Phædo; Scrivener's Greek Testament; Goodwin's Greek Grammar; Goodwin's Greek Moods and Tenses; Liddell and Scott's Greek Lexicon, Seventh Edition; Oman's History of Greece; Burton's New Testament Moods and Tenses; Greenidge's Constitutional History.

V. MODERN LANGUAGES.

FREEMAN LOOMIS, PH. D., PROFESSOR.

ELYSÉE AVIRAGNET, A. M., INSTRUCTOR IN THE ROMANCE LANGUAGES.

LEO GUIDO CHARLES RIEMER, A. M., INSTRUCTOR IN THE GERMAN AND FRENCH LANGUAGES.

In the Classical Course the study of German begins with the third term of the Sophomore year, and may be continued in a daily recitation through the whole of the Junior and Senior years. In the same course the study of French begins with the first term of the Junior year, and may be continued in a daily recitation to the end of the Senior year. The first term in each study is required, the others are elective. As it is optional with students to take both electives, the schedule permits of thirteen terms of Modern Language study—six in French and seven in German—the recitations in all cases being for one hour five times a week.

Courses of study and text-books used in connection therewith are subject to change, but the following outline indicates the general scope of the work.

GERMAN.

1. **Elementary Course** (Classical Course only, required).—Whitney's Brief Grammar, with translation of German exercises into English. Review of Grammar, with translation of English exercises into German. Irregular verbs. Memorizing of selected passages. Writing from dictation. Storm's Sprechübungen. Translation of one hundred pages of Reader.

2. **Intermediate Prose Course.**—(Elective for all courses.)—Devoted chiefly to the rapid reading of easy prose, with a view of acquiring an enlarged vocabulary and preparatory to the reading of the classics. Hauff's Das Kalte Herz. Riehl's Der Fluch der Schönheit. Storm's Immensee. Heyse's l'Arrabbiata. Hoffmann's Historische Erzählungen. Translation at sight. Balladen und Romanzen. Prose Composition.

3. **Schiller's Works.**—(Elective for all courses.)—Maria Stuart, Wilhelm Tell, Jungfrau von Orleans, Wallenstein. Collateral reading in historical prose. Deutsche Lyrik. Prose Composition.

4. **Goethe's Works.**—(Elective for all courses.)—Egmont, Iphigenie auf Tauris, Tasso. Collateral reading. Scientific German. Helmholz's Über Goethe's Naturwissenschaftliche Arbeiten; Cohn's Über Bakterien; and other monographs. Prose Composition.

5. **Lessing's Works.**—(Elective for all courses.)—Minna von Barnhelm, Nathan der Weise, Lessing's Prose. Collateral reading. Comedy. Prose Composition.

6. **Modern Authors.**—(Elective for all courses.)—Selections from the works of Fouqué, Körner, Tieck, Heine, Freiligrath, Auerbach, Baumbach, Seidel, Scheffel. The Romantic School. Prose Composition.

7. **Advanced Prose Course.**—(Elective for all courses.)—Designed to give facility in translating difficult prose. Meyer's Gustav Adolf's Page. Freytag's Doktor Luther. Lessing's Laocoön. Freytag's Technik des Dramas. History of German Literature. Prose Composition.

FRENCH.

1. **Elementary Course.**—(Required.)—Whitney's Brief Grammar with translations of French Exercises into English. Review of Grammar, with translation of English Exercises into French. Irregular verbs. Memorizing of selected passages. Writing from dictation. Storm's Dialogues Français. Translation of 150 pages of Reader.

2. **Intermediate Prose Course.**—(Elective for all classes.)—Devoted chiefly to the rapid reading of easy narrative prose and modern dialogue, with a view to acquiring an enlarged vocabulary and preparatory to the reading of the classics. Souvestre: Un Philosophe sous les Toits. Alfred de Musset: Pierre et Camile. Feuillet: Le Roman d'un Jeune Homme Pauvre. Alfred de Vigny: Le Cachet Rouge. Translation at sight. Prose Composition.

3. **17th Century.**—(Elective for all courses.)—French Classics, verse and prose. Selections from the works of Corneille, Racine, Molière, Lafontaine, Mme. de Sévigné, Pascal, La Bruyère, La Rochefoucauld, Bossuet, Fénelon. Modern texts descriptive of the period. Prose composition.

4. **18th Century.**—(Elective for all courses.)—Selections from the works of Voltaire, J. J. Rousseau, d'Alembert, Diderot, Mme. de Staël. Modern texts descriptive of the period. Scientific French. Prose composition.

5. **19th Century.**—(Elective for all courses.)—Verse and Theatre. Selections from the works of Lamartine, Alfred de Musset, Victor Hugo, Coppée, Augier, Dumas, Sardou, Labiche, Legouvé. Collateral reading. La Lyre Française. Prose composition.

6. **19th Century.**—(Elective for all courses.)—Romance and Criticism. Selections from the works of Alfred de Vigny, Alfred de Musset, George Sand, Balsac, Mérimée, Daudet, H. de Bornier, Guy de Maupassant, Zola, Loti, Sainte-Beuve, Stendhal, Taine, Brunetiere, Tissot. History of French Literature. Prose Composition.

SPECIAL COURSES FOR FRESHMEN.

I. COURSES IN GERMAN.

Instructor Riemer.

Since the grammar is studied as a means to an end, the real object of study is the language, and the aim is the development of a sensitive *feeling*. The pupil learns the similarities between the German and other languages, and is taught that the sentence, not the word, is the real unit of language.

A study of the fundamental facts of grammar accompanied by prose composition, and exercises in reading, memorizing, and repetition of connected discourse, comprise the work of the first term.

During the second term the work consists of the translation of easy prose and poetry, composition and conversations on the text, and the memorizing of poetry.

II. COURSES IN FRENCH AND SPANISH.

INSTRUCTOR AVIRAGNET.

French may be pursued throughout the year as an extra study by students in any of the courses. The language is taught by the comparative method, affinities between the French language and the English, Latin, and Greek languages being contantly pointed out.

French Syntax is taught by oral examples and illustrations from readings. The grammar is taught from the language, and not the language from the grammar. Dictation exercises are given from " Whitney's Practical French."

As far as practicable, only French is spoken in the class-room. Extracts are read from the best French literature. Conversations are held in French on the readings, stories are related, and compositions prepared in French by the pupil.

The aim is to teach the language so that it can be spoken correctly.

Spanish is offered as an elective to Juniors and Seniors, in daily recitations through the year. The object of the course is to train the student so that he will be able to speak and read the language.

VI. MATHEMATICS.

WILLIAM CYRUS BARTOL, PH. D., PROFESSOR.

ALBERT BURNS STEWART, A. M., INSTRUCTOR.

WILLIAM ALBERT KAUFFMAN, A. M., ASSISTANT IN ASTRONOMY.

Courses 1–5 constitute a group in Pure Mathematics, designed as a preparation to the required courses in Mechanics, Physics, and Astronomy, and as a sufficient basis for the electives in Higher Mathematics. They are required of every candidate for a degree.

Courses 6–9 constitute a group in Higher Mathematics intended for those who wish to make mathematics a principal subject of study. Courses 6–9 are open to all who have completed courses 1–5.

Courses 10–13 are in Applied Mathematics; course 10 is required of all candidates for a degree; course 11 is open to all who have completed courses 1–5. Courses 12 and 13 are elective.

1. **Solid Geometry.**—The course includes the geometry of solids with plane surfaces, the cone, the cylinder, the sphere, and the spherical triangle. Seven weeks are given to the subject. Freshman year, first term, five hours.

2. **College Algebra.**—The topics are indeterminate equations, ratio, and proportion, variation, progression, the binominal theorem, convergency of series, undetermined coefficients, logarithms, permutations, and combinations. Nine weeks are given to the subject. Freshman year, first and second terms, five hours.

3. **Trigonometry.**—The course includes Plane Trigonometry, with application to problems in mensuration and surveying, and Sperical Trigonometry, with some application to problems in astronomy. Twelve weeks are given to the subject. Freshman year, second and third terms, five hours.

4. **Analytical Geometry.**—The student is taken through the elementary properties of the right line, the circle, and the conic sections. The course is intended to give a clear conception of the methods of Cartesian Analysis rather than an extensive knowledge of its results. Nine weeks are given to the subject. Freshman year, third term, five hours.

5. **Linear Perspective.**—A course of twelve lectures, designed to familiarize the student with the principles of perspective, and to give him an insight into their manifold applications. Sophomore year, first term, one hour.

6. **Advanced Algebra.**—The course includes differentials, infinite series, the theory of equations, and the theory of determinants. Second term, five hours.

7. **Advanced Analytical Geometry.**—The course includes the geometry of three dimensions, surfaces of revolution, and higher plane curves. Third term, five hours.

8. **Differential Calculus.**—The course includes the development of functions into series, evaluation of undetermined forms, determination of maxima and minima, and application to the theory of curves. First term, five hours.

9. **Integral Calculus.**—The course covers methods of integration by parts, by substitution, by successive reductions, and by series. Applications to problems of geometry and mechanics are made. Second term, five hours.

10. **Astronomy.**—The aim is to treat Astronomy not merely as an application of mathematics, but as a science, which forms an essential part of a finished education. The subject is taught by text-book, with illustrations in the observatory and lectures. There is a free use by the students of the ten-inch equatorial telescope. Junior year, third term, five hours.

11. **Practical Astronomy.**—Observations are made for time and to determine the errors of the transit instrument. The use of the micrometer is taught, and the value of one revolution of its screw is determined experimentally. Observations are made for azimuth, and for latitude and longitude. First term, five hours.

12. **Surveying.**—In compass and transit surveying a careful study of the necessary instruments is made. The student is taught their adjustments and the best methods of reducing their errors. He is required to do considerable practice work in the field. Such tables and methods are furnished him as will enable him to undertake the retracing of old lines. The system practiced by the government in the survey of public lands is fully set forth. Directions are given for running contours and sketching topography. First term, five hours.—Instructor Stewart.

13. **City Surveying and Civil Engineering.**—Two sites are located and plotted; permanent reference points and bench-marks are established; grades and sewers are determined and property lines staked out. Instruction is given in the theory of railroad curves, switches, and turn-outs. A corps is organized, which makes a preliminary survey and locates a cross-country railroad. For this the grade and ditch stakes are set and the curves determined, specifications are drawn up, and estimates made of the line surveyed. Third term, five hours.—Instructor Stewart.

The following books are used: Bartol's Geometry, Hall and Knight's College Algebra, Nicholson's Plane and Spherical Trigonometry, Nichol's Analytical Geometry, Taylor's Calculus, Carhart's Plane Surveying, Olmstead's College Astronomy, Greene's Practical Astronomy.

VII. CHEMISTRY AND PHYSICS.

WILLIAM GUNDY OWENS, A. M., PROFESSOR.

MORRIS CRAMER VAN GUNDY, SC. B., ASSISTANT.

1. **Lectures** are given during the third term of the Freshman year to acquaint the student with the scope and aims of chemical study, and by suitable experiments to explain the value of laboratory work and the methods used.

2. **Descriptive Chemistry** is taught by text-books and lectures. The object of the course is to give the student a general knowledge of the most common elements—their sources, use, compounds, and behavior towards other elements and compounds, and to drill the student in writing formulæ and solving chemical equations. To accomplish this, each student is expected to spend at least five hours each week in the Laboratory, studying the characteristics and reactions of the elements and their compounds, and performing the more simple experiments outlined in the text and lectures. Notes will be kept by each student, describing the experiments and giving the equations which represent the reactions that take place. The professor, will, from time to time, examine the note-books, and make such suggestions as he thinks helpful. First term, Sophomore.

3. **Analytical Chemistry** is open to those only who have completed Descriptive Chemistry. In this course, students examine a number of known solid and liquid substances, noting their reaction. They are then given unknown substances, several in one mixture, which they are required to determine. The course is completed when fifty unknown mixtures have been determined and correctly reported. Second term, Sophomore.

4. **Quantitative Analysis** comprises those determinations which will be most useful to the general student. It also offers to the specialist an opportunity to become acquainted with the methods of separation and manipulation. It is open to those who have taken General and Analytical Chemistry. Third term, Sophomore.

5. **Organic Chemistry.**—The simplest of the Paraffin and Benzene series and their derivatives are studied. The theoretical basis is kept constantly in view, while the preparation of the simplest and most characteristic compounds prevent the work from becoming simply an act of memory.

6. **Ultimate Organic Analysis and Analysis of Fertilizers.**—Such determinations are made as will best illustrate the methods used and give the student practice in the manipulation of apparatus.

7. **Agricultural Chemistry.**—In this course the laws which underlie the Science of Agriculture are considered and illustrated.

8. **Water and Urine Analysis.**—Water analysis includes the study of potable and mineral waters, with the quantitative determination of their ingredients.

Urine analysis (second-half term) includes the determination of foreign substances and what their presence indicates.

9. **Toxicology and Medical Chemistry** consists of the detection of the most common poisons, the symptoms of poisoning, etc., with practice in the detection of impurities in foods and drugs.

10. **Gas Analysis** includes the determination of the gases in the air, illuminating gas, generator gas, and others.

Courses 5, 6, and 7 are given on alternate years with courses 8, 9, and 10.

11. **Chemical Philosophy.** Second term. Honor.

12. **Modern Theories of Chemistry.** Meyer. Third term. Honor.

In Physics five courses are offered, two of which are required of all candidates for a degree; one is elective, and two are honor courses.

1. **Mechanics, Sound and Heat.**—This course consists of lectures, demonstrations, and recitations, appropriately illustrated.

Required. Junior year, first term, five hours.

2. **Mechanics, Sound and Heat.**—Experimental course.

Honor. Junior and Senior. Five hours of Laboratory work.

3. **Electricity and Light.**—Study of text-book, lectures, and experiments.

Required. Junior year, second term, five hours.

4. **Electricity and Light.**—Experimental course.

Honor. Junior and Senior. Five hours of Laboratory work.

5. **Magnetism and Electricity.**—An experimental course, open as an elective to those who have taken courses 1 and 2. Experiments are made by the students, and, where practicable, absolute measurements are taken. Recitations and Laboratory work.

Elective, third term.

The Chemical and Physical Society holds meetings bi-weekly to discuss questions in Chemistry and Physics.

VIII. ORGANIC SCIENCE.

GEORGE G. GROFF, M. D., PH. D., LL.D., PROFESSOR.

Nelson Fithian Davis, SC. M., INSTRUCTOR.

In this department it is the constant aim to teach students how to interpret nature. The student is guided in his investigations by lectures and laboratory manuals.

The Biological Laboratory is equipped with apparatus for carrying on the work in the Organic Sciences. A large room has been fitted up especially for Microscopic work with sufficient equipment for fifteen students. Each student has a separate desk, containing a microscope and the necessary reagents. The Laboratory is also supplied with collecting and bacteriological apparatus, with books of reference, and other appliances necessary for carrying on Biological research.

Those taking Microscopy have the use of microtomes, incubators, reagents, etc. New apparatus is added as occasion demands.

The work in Zoölogy is illustrated by marine and fresh-water forms, skeletons, and mounted specimens.

In Comparative Anatomy and Osteology the work is illustrated by skeletons representing different types of vertebrates.

Physiology is illustrated with human skeletons, a life-sized French manikin, prepared tissues and numerous charts.

Material for Human Anatomy is received from the State Anatomical Board in Philadelphia, and each student has the opportunity to dissect the whole human body.

The work in Materia Medica is illustrated by specimens of crude drugs.

The student in Histology and Embryology has a good supply of paraffin and collodion blocks. The work is illustrated with microscopic slides, alcoholic material, and French wax models.

Each student is provided with dissecting instruments. A charge is made for materials used and apparatus broken.

Fourteen courses in all are offered. In courses 4, 5, 6, 7, 8, 9, 11, 12, 13, and 14 the student should reserve on his program about ten hours each week for laboratory exercises.

Medical students who desire to complete their professional studies in three years should take courses 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 13.

1. **Hygiene.**—Six lectures. First term, Freshman year.

2. **Animal Physiology.**—Martin's Human Body, and lectures. Second term, Sophomore year, five hours.

3. **Sanitary Science.**—A course of ten lectures.

4. **Botany.**—Gray's Lectures and Analysis of Plants. Third term, Sophomore year, five hours.

5. **Biology.**—Sedgwick and Wilson, lectures. Third term, Junior year, Prerequisite: Courses 2 and 4. Elective. Also open to Sophomores who have had Botany.

6. **Microscopy.**—This course is given in connection with Histology and Embryology.

7. **Zoology.**—Recitations and lectures. First term, Junior year. Prerequisite: Courses 2, 4, and 5. Elective, five hours.

8. **Embryology.**—Recitations and lectures. First term, Junior year. Prerequisite: Courses 2, 4, and 5. Elective, five hours.

9. **Normal Histology.**—Recitations and lectures. Second term, Junior year. Prerequisite: Courses 2, 4, 5, 7, and 8, Elective, five hours.

10. **Dynamical Geology.**—Twelve lectures. Third term, Junior year.

11. **Human Osteology and Comparative Anatomy.**—Recitations and lectures. First term, Senior year. Prerequisite: Courses 2, 4, 5, 7, 8, and 9. Elective, five hours.

12. **Mineralogy and Geology.**—Recitations and lectures. First half term Mineralogy, second half Geology. First term, Senior year. Elective, five hours.

13. **Human Anatomy.**—Recitations and dissections. Second term, Senior year. Prerequisite: Courses 2, 4, 5, 7, 8, 9, and 11. Elective, five hours.

14. **Materia Medica.**—Recitations and lectures. Third term, Senior year. Elective, five hours.

IX. ECONOMICS AND POLITICAL SCIENCE.

1. **Principles of Political Economy.**—An exposition of the laws of the Science as at present accepted. Second term; open to Seniors and Juniors.—Instructor Heim.

2. **Honor Course in Economics.**—Spring term; open to those who have taken Course 1.—Instructor Heim.

3. **Private Corporations.**—Incorporation, Corporate Rights, Powers, and Liabilities. Spring term; open to Seniors and Juniors.—Instructor Heim.

4. **Roman Law** may be taken as an elective in the second term; open to Juniors and Seniors. The subject is treated historically. Morey's Roman Law forms the basis of the work. The text-book is supplemented by lectures and collateral reading.—Professor Rockwood.

5-7. **The English Common Law.**—A course in Blackstone's Commentaries, extending through the year; open to Seniors and Juniors.—Judge McClure.

8. **American Constitutional Law** is offered as an elective to Juniors and Seniors in alternate years, third term. The work consists in a study of the Constitution itself, and in a study of the law that has grown out of it. Cooley's Elements of Constitutional Law.—Professor Hamblin.

9. **Honor Course in Constitutional Law.**—Cooley's Constitutional Limitations.—Professor Hamblin.

10. **American Civics and Parliamentary Law.**—A study of the American Frame of Federal and State Government; and of Parliamentary rules and usages.—Professor Hulley.

11. **Comparative Constitutional Law** is offered as an elective to Juniors and Seniors in the third term, alternating with American Constitutional Law. A comparison of the Law of the Constitutions of England, France, Germany, and the United States. Works of reference: Burgess, Boutney, Dicey. Special topics assigned for individual study and report to the class.—Professor Hamblin.

12. **Elements of International Law.**—Fall term; open to Juniors and Seniors.—Instructor Heim.

X. MEDIÆVAL AND MODERN HISTORY.

LINCOLN HULLEY, PH. D., PROFESSOR.

A knowledge of ancient history is required for admission, and special courses in the histories of ancient Greece and Rome are given. The Mediæval and Modern History courses have been planned to provide the general student with the essential data of human progress, and the special student with the fullest equipment required for advanced work in the best Graduate Schools.

To accomplish this the best text-books, large library facilities, and the most successful methods of college history teaching are used. The student is trained to grasp the leading facts of history, to trace the causal relations of events, to exercise the historical imagination, and to compare and criticise authors. To secure vivid impressions the student makes maps, chronological lists, and blackboard analyses; to develop expression essays, reports, and discussions are required; to give reality to the study frequent attention is called to history in the making—local institutions, characters, geography, and events. The work is further supplemented by lectures on methods and sources of historical research, and the relation of history to auxiliary subjects. Six terms of honor work have been arranged for students who desire additional opportunities.

The following courses are offered:

1. **Mediæval Europe.** (1) Subjects:—The Germanic Invasions, Roman Christianity, Rise of Mohammedanism, German Ideas of Law, The Age of Charlemagne, The Foundation of Mediæval Europe, The Feudal System, The Rise of the Papacy, its Degradation and Restoration, the Struggle between the Empire and the Papacy, the Domination of the Papacy, Society and Intellectual Life of the Middle Ages. (2) Texts:—The class will use Thatcher and Schwill's Europe in the Middle Ages, and will also read extensively in Emerton's Introduction to the Middle Ages, Emerton's Mediæval Europe, Milman's Latin Christianity, Bryce's Holy Roman Empire, Duruy's Middle Ages, and in Neander, Kurtz, Schaff, Church, Adams, Stille, Oman, Guizot, and others.

Senior and Junior Elective. First term. Five hours.

2. **Modern Europe,** A. D. 1500–A. D. 1789. Subjects:—The decline of Feudalism, The Revival of Learning, The Rise of Modern Institutions and States, The Protestant Reformation, The Thirty Years' War, The Counter Reformation and the Catholic Opposition in the Inquisition Jesuit Order, Council of Trent, The Age of Louis XIV, and the Rise of Russia and Prussia. The class will use the texts of Seebohm and Gardiner in the Epochs series.

Senior and Junior Elective. Second term. Five hours.

3. **Modern Europe,** A. D. 1789–1878. Subjects:—The French Revolution, The Napoleonic Wars, The Holy Alliance, The Later French Revolutions, The English Age of Reform, The Consolidation of Germany, and The Unification of Italy.

Senior and Junior Elective. Third term. Five hours.

4. **History of England.** Subjects:—Invasions and Early Settlements, Saxon Civilization, the Danish Invasion, The Norman Conquest, and The Political, Religious, Social, Industrial, and Literary Developments down to the present time. The classes will use Gardiner's History of England as a text-book, and will

use for reference the Special Histories of Gardiner, Hale, Creighton, Morris, Freeman, Seebohm, and McCarthy, and the General Histories of Green and Montgomery.

Senior and Junior Elective. First term. Five hours.

5. **American Colonial History.** Subjects:—Discovery—Settlement—Expansion—Independence. Colonial charters, conventions, government, and social conditions; Spanish, French, and English communities; Conquest of Mexico and Peru; The Making of New England; Relations to the Old World; Causes, Progress, and Results of the Revolutionary War. Special attention will be given to contemporaneous history of Europe during this period.

Senior and Junior Elective. First term. Five hours.

6. **Constitutional History of the United States.** Subjects:—Formation, Analysis, and Interpretation of the Constitution. Its interpretation as expressed in the following subjects: Hamilton's Bank; Assumption of Debts; Alien and Sedition Laws; Kentucky and Virginia Resolutions; Louisiana Purchase; Embargo and Non-Intercourse; Burr's Treason; War of 1812; Hartford Convention; Missouri Compromise; Tariff Legislation; Indian Affairs; Jackson's Bank Veto; Nullification; Currency Measures; Annexation of Texas; Slavery in the Territories; War of Secession; Reconstruction.

Texts:—Von Holst, Hildreth, Schouler, McMaster, Fiske, Hart, Wilson, Johnston, Bryce, American Statesman Series, Annals of Congress, Life and Works of Washington, Hamilton, Jefferson, Adams, Clay, Webster, Calhoun, Seward, etc.

Senior and Junior Elective. Winter term. Five hours.

7. **American Civics.** The aim of this course is: (1) to study the American Frame of Federal and State Government, and its practical working. (2) to familiarize the class with the Constitution of the United States and with Parliamentary Law: and (3) to study the Formative Influences and Institutions that enter into the American State. Bryce's Commonwealth is used as the text-book for this course.

Senior and Junior Elective. Third term. Five hours.

HONOR COURSES IN HISTORY.

8. **Political Philosophy.** Wilson's "The State."

9. **Philosophy of History.** Droysen's Outlines.

10. **Political Institutions** of the United States. Bryce's "American Commonwealth."

11. **Diplomatic History** of the United States. Snow.

12. **Special Epochs of History.**

13. **The Establishment of Spanish Rule in America.**

XI. BIBLICAL LITERATURE.

LINCOLN HULLEY, PH. D., PROFESSOR.

The aim of this department is to develop (1) correct methods of Bible study and (2) an appreciation of the forms and subject-matter of Biblical Literature. The language will be studied inductively, by the aid of Harper's "Introductory

Methods and Manual," and Grammar. The English courses will be supplemented by a series of lectures extending throughout the year.

The topics treated are as follows:

Lectures.—The Bible as a Classic; the Bible as a Library; the Bible in its Formation; its influence on early civilization; the civilization imbedded in it; its essential ideas and their development; its institutions; its literary forms; the names, number, order, date, purpose, plan, style, contents, teaching, and history of selected books; methods of Bible study; historical methods of interpretation; spirit, motive, present condition, and results of Bible study; the distinctive purpose of the Bible; its Divine Origin and Mission; and the Bible as central and vital in English History, Literature, and Civilization.

1. **Prophecy.** Subjects:—The nature of prophecy; the contents of prophecy; events, stories, sermons, predictions; the historical situations in the various periods of prophecy; the underlying principles and essentially divine elements of prophecy; the personality of Amos, Hosea, Isaiah, and Jeremiah; the prophets as statesmen, reformers, theologians, ethical teachers, and preachers; prophetic historiography and literature. The aim of this course is to give a life-like realism to the prophets' personality, age and message. Senior and Junior elective.

2. **Psalmody and Wisdom Literature.**—This study includes: The periods and development of Psalmody; the growth of the Psalter; the special religious revivals producing it; its divisions, authors, superscriptions, versions, contents, and the order of the Psalms; the historical occasion of their composition; their various literary forms; their editorical, musical, and liturgical elements, and the following group: The Davidic, Korahite, Asaphic, Maccabæan, Pilgrim, Hallelujah, Coronation, Elegiac, Imprecatory, Alphabetic; and the Psalms of the Exile, the Restoration, and the Later Temple.

All the Wisdom books will be carefully studied. Senior and Junior elective.

3. **The Founding of the Church.**—The text will be the Acts of the Apostles. The subjects will be the Church's inception, formal organization, initial activity, internal life, missionary enterprise, and the establishment of churches. Senior and Junior elective.

4. **The Pauline Epistles.**—The historical origin, plan, purpose, materials, and characteristics of each; their chronological order; the development and progress of their teachings; and the life, experiences, and views of their author are studied. Senior and Junior elective.

XII. LOGIC AND ANTHROPOLOGY.

WILLIAM EMMET MARTIN, A. M., PROFESSOR.

1. **Elementary Logic,** optional to Juniors, is offered in the second term. This course is designed to utilize (1) the valuable discipline inherent in the study of the science of thought; (2) the practical application of its principles in

the analysis of arguments and the conduct of the search for truth; (3) the knowledge of the historical development of the science in the hands of its great masters; and (4) its valuable aid as preparatory to the study of Philosophy and Ethics.

The Manual of Professor Creighton will be supplemented by reading in the standard authors, with constant praxis in the detection of fallacious arguments.

2. **Logical Theories,** an advanced course in the history and criticism of Logic, ancient and modern, is offered as an honor study, in the third term of the Junior year, to such students as shall have taken course 1.

3. **Descriptive Anthropology** is offered to the Sophomore class during the third term. It is designed to prepare the student for the appreciative study of Ethnology and Languages, of Archæology and History. Tylor's text-book serves as the basis of study, with readings and discussions on the chief authorities and current publications.

4. An honor course in **Anthropology** with special reference to the origin and development of Art, Science, and Religion, is offered to Juniors and Seniors in the first term.

5. **Sociology.**—A course in Sociology, elective to Juniors and Seniors, is given in the fall term. The aim is to furnish such expositions of social relations and theories as will serve the general purposes of educated citizens.

6. **History of Art.**—In the second term, elective to Seniors and Juniors, is offered a course in the history, theory, and criticism of the Fine Arts, as represented by Architecture and Sculpture; their origin, development, and principles; their relation to the literary, religious, and social life of the people; their present place and function. Instruction by text book will be supplemented by collateral readings in the standard works, and illustrated by photographic and other representations of the originals.

XIII. MENTAL AND MORAL PHILOSOPHY.

THE PRESIDENT.

The studies in this department embrace Psychology, Philosophy, Education, Ethics, and Theism. The method of instruction is by text-book recitation, expository lectures, class discussions, and collateral reading. Written examinations and theses on assigned subjects test and deepen the student's knowledge. The gift, recently, by friends, of a thousand dollars' worth of books in this department enables the students to pursue extensive courses of collateral reading. In this way the monographic treatment of text-book study is broadened, and the student is trained to become an investigator.

Besides the following courses offered by the Professor in charge, courses are also offered by the Professor of Greek in the philosophy and religious ideas of the Greeks, as shown in Plato's Apology, and in Greek Philosophy, in connection with the study of the Phædo; and by the Profesor of Latin, in the Stoic, Epicurean, and the Academic systems of Philosophy, in connection with the

study of *Cicero De Natura Deorum*, and in Ancient Morals, in connection with the study of Seneca.

1. **Psychology.** Text-book, Lectures and Readings.
   Seniors. First term. Five hours.

2. **Psychology.** James. Honor course.
   Seniors. First term.

3. **History of Education.** Lectures.
   Juniors. First term. One hour.

4. **Ethics.** Text-book, Lectures and Readings.
   Seniors. Second term. Four hours.

5. **History of Philosophy.**
   Lectures, Theses, and Readings.
   Seniors. Second term. Two hours.

6. **Psychology of Education.** Harris.
   Elective to Seniors and Juniors. Second term.

7. **Lotze's Metaphysic.** Honor course.
   Seniors. Second term.

8. **Philosophy of Religion.** Diman's Theistic Argument, and Lectures.
   Seniors. Third term. Five hours.

9. **Philosophy of Education.** Rosenkranz. Honor course.
   Seniors. Third term.

10. **Modern Philosophy.** Weber. Honor course.
    Seniors. Third term.

11. **Grundzüge der Psychologie.** Lotze. Honor course.
    Seniors. Third term.

LIBRARIES AND APPARATUS.

THE LIBRARIES AND READING-ROOM.

Librarian: PROFESSOR WILLIAM E. MARTIN, A. M.

Assistant: THOMAS J. MORRIS.

The College Library.—The general library contains about nineteen thousand volumes, besides several thousand pamphlets. The reading-room is connected with the library, and offers facilities for reading, studying, and writing. During term-time both are open forenoon, afternoon, and evening of each day, Sundays and holidays excepted, and both are maintained without extra charge to students. Students in all departments have free access to the shelves, and may draw two books at one time and retain them for two weeks, with the privilege of one renewal, if desired.

The library has entirely outgrown its former accommodations, but the completion of the new Laboratory building has left vacant the large adjoining room, which is now used as the young ladies' library and study hall. It has recently been supplied with appropriate furniture, by the kindness of several friends of the University.

For greater convenience of instructors and students, collections of special technical books are also kept in the Laboratories of the Physical and the Organic Sciences, and in the Astronomical Observatory.

The library is regarded as a working laboratory for all departments of instruction, students being constantly cited to it in class-room work. In this way, while answering the purpose of general culture, it supplements in great measure the monographic treatment of text-book study, and the student is trained under competent guidance to become an investigator. The resulting practical acqaintance with books and bibliography proves a valuable part of liberal education.

By aid of the Card Catalogue, and Poole's Index to Periodicals, all the resources of the library on any given subject are at once available.

Valued contributions in books, periodicals, and money have been made during the year by the following:

American Baptist Missionary Union, American Baptist Publication Society, American Peace Society, Prof. E. Aviragnet, Mus. Doc., Revs. S. Z. Batten, A. M., Mr. John H. Bogert, Samuel Bolton, Jr., M. D., Mr. John W. Bucher, Cambria Iron Co., Civil Service Commission, Colby University, Colgate University, Columbia University, Wm. J. Coxey, A. M., M. W. Cramer, Esq., H. E.

Deats, Esq., Prin. T. A. Edwards, A. M., W. H. Egle, M. D., Mrs. N. P. Eigelberner, Hon. B. K. Focht, Chaplain T. A. Gill, D. D., Mr. F. Golder, Mr. Raymond Greene, Registrar Wm. C. Gretzinger, Ph. B., Prof. G. G. Groff, M. D., Prof. T. F. Hamblin, A. M., President Harris, Hon. Wm. T. Harris, LL. D., Hartford Theological Seminary, Harvard University, Alfred Hayes, Esq., Instr. E. M. Heim, A. M., Chairman H. S. Hopper, Prof. L. Hulley, Ph. D., Interstate Commerce Commission, T. R. Jones, LL. B., Rev. J. T. Judd, A. M., Instr. W. A. Kauffman, A. M., W. L. Kurtz, A. B., Mrs. K. B. Larison, A. M., Mr. J. G. Lauderbaugh, C. C. Law, A. M., Lewisburg *Chronicle*, Lewisburg *Journal*, Mr. W. S. Lingle, Craige Lippincott, Esq., C. B. Lowe, M. D., The Macmillan Co., Hon. T. M. Mahon, M. C., Mrs. Emma B. Matlack, Rev. F. G. McKeever, A. M., Mr. H. C. Meserve, Middleburg *Post*, G. Barron Miller, A. M., Hon. John I. Mitchell, Rev. V. Morgan, Hon. W. L. Nesbit, New Jersey *Baptist Bulletin*, Prof. W. G. Owens, A. M., Mrs. Prof. Charles Follen Palmer, Parsons Miller and Steward, Rev. W. R. Patton, A. M., Pennsylvania State College, Prof. E. Perrine, Litt. D., Prin. G. M. Philips, Ph. D., Princeton University, Messrs, G. P. Putnam's Sons, Bernard Quaritch, Esq., Mr. John H. Reed, Instr. L. G. C. Riemer, A. M., Mr. D. H. Robbins, Prin. F. W. Robbins, Ph. B., Prof. F. E. Rockwood, A. M., President J. G. Schurman, LL. D., Alfred S. Sheller, Esq., Albert K. Smiley, Esq., Mr. A. A. Smith, The Smithsonian Institution, Sound Currency Reform Club, John Sprague, Esq., Rev. G. M. Spratt, D. D., Statistics of Labor: Bureaus of Connecticut, Illinois, Massachusetts, Michigan, New Jersey, New York, Ohio, The Travelers' Insurance Company, United States Department of Agriculture, Bureau of Ethnology, Geological Survey, National Museum, Navy, Patent Office, Public Documents, State and War, University of Chicago, University of Pennsylvania, Volunteer Band, Rev. Albert E. Waffle, D. D., Mrs. W. C. Walls, Western Reserve University, R. C. Winthrop, Jr., Esq., Mrs. R. B. Woodyear, Wooster University, Yale University, S. Lewis Ziegler, M. D.

The gift of two hundred filing boxes, 12x7x5 inches, by Mr. H. E. Deats, of Flemington, N. J., during the summer of 1898, has permitted the classification and provided for the care of numerous valuable pamphlets.

Contributions of books, periodicals, and money are urgently solicited. The Librarian will furnish to all inquirers specific information as to our needs, and will acknowledge all gifts.

The Reading-Room, in connection with the general library, is maintained at the expense of the University. By purchase or by contribution, its tables are supplied with the current numbers of one hundred publications, including the leading scientific, literary, philological, and philosophical reviews, and magazines and papers of the day.

On shelves adjoining the tables of the reading-room are placed encyclopedias, dictionaries, maps, gazetteers, indices, and complete sets of the leading reviews and magazines.

THE MUSEUM.

The College possesses a good collection of illustrative materials in Botany, Mineralogy, Geology, Zoölogy, Materia Medica, and Histology. The specimens are distributed under these classifications and those of Archæology as follows:

Botany	1,350
Mineralogy	3,000
Geology	2,000
Zoölogy	4,450
Archæology	525
Histology	500
Materia Medica	300
Total	12,125

Additions to the Museum will always be thankfully received, especially of objects which can be used in laboratory work.

Among these may be mentioned: Zoölogical specimens, especially marine and fresh-water forms of life; insects; skeletons of vertebrate animals, birds, and mammals; botanical specimens; crystallized minerals; American and especially Pennsylvania rocks.

Contributions have been received for the Museum during the past year from L. H. Burge, A. E. Hutchinson, Professor George G. Groff, D. H. Robbins, Miss Mary H. Sharpless, Instructor N. F. Davis, J. W. Hague, Esq., Professor H. N. Conser, Granville Malcolm, A. M., Athletic Association, E. E. Johnson, Dr. E. S. Heiser, Jefferson Medical College.

THE ART COLLECTION.

The beginning has been made of a collection of paintings, casts, engravings, and heliotypes, for the illustration of the Fine Arts. The specimens of all kinds now in possession of the College number about five hundred, and furnish very considerable aid in illustrating the principles and the history of painting and sculpture.

A course of lectures is given yearly to all students of the Sophomore class, on the History of Art, and an elective course is offered to the Juniors and Seniors, in the History, Theory, and Criticism of the Fine Arts, as represented in Architecture and Sculpture.

LABORATORY AND APPARATUS.

The Chemical and Physical Laboratory affords superior advantages in the study of Chemistry and Physics. Several rooms have been especially fitted up to render them suitable for studying, by means of experiments, the subjects

of Sound, Light, Heat, and Electricity. Most of the apparatus necessary for experimenting in these branches is now provided, and others will be added as occasion may demand.

The experiment room for Descriptive Chemistry will accommodate ninety-six students in two sections. Each student is provided with a desk, having upon it gas, water, basin with waste, and hood for carrying off foul gases. The most frequently-used chemicals and pieces of apparatus will be supplied to each student, to be retained by him during the term, and kept under lock and key. Other materials will be placed on a table to be used in common by all the students.

In the lecture-room hoods and ventilating flues enable the professor to perform experiments involving the generation of foul odors without vitiating the air of the room. A projecting lantern, charts, and specimens are freely used to illustrate the subject under consideration.

In the analytical rooms full opportunity for individual work is afforded, throwing each student upon his own responsibility in order to accomplish the most complete development. Advanced students are encouraged to devise tests and methods of separation other than those mentioned in the text-book, and thus to cultivate the habit of original investigation.

The Physical and Chemical Library has a room on the second floor, and offers facilities for the investigation of subjects in Physics and Chemistry. A number of scientific periodicals are taken, so that the most recent thought and investigation in any line of work is accessible at any time.

The student is expected to pay for materials used and apparatus broken. To meet this a deposit will be made in the beginning of the term with the Registrar, and the balance will be returned at the close of the term.

The Laboratories will be open from 8.30 A. M. to 5 P. M. daily, except Sundays and legal holidays.

GENERAL COLLEGE ORDERS.

ATTENDANCE.

Only under exceptional circumstances will excuses be granted to leave College during term time. In such cases the examination on the studies gone over by the class, during a student's absence, will be specially searching, and a high degree of attainment will be exacted. One who is absent during the entire term must almost necessarily lose his standing in his class. The work of the term begins on the day of opening, and recitations are expected at the first hour appointed for the meeting of the classes. The work continues uninterruptedly, with the exception of holidays marked in the Calendar, until the last day of the term.

STANDING.

Each instructor records, in numbers ranging from 0 to 10, the character of the recitation of every student reciting to him, and notes also any delinquency in conduct and attendance. The weekly summary of these markings is recorded in permanent books, and constitutes the basis for determining the standing of the student during his connection with the institution. Unexcused absences from recitations are counted as zero in making up the weekly averages. *Excused* absences have half the effect in lowering a student's standing as unexcused absences, but a student may, at the option of the professor, do supplementary work, to obviate the effect upon his standing, of excused absences. At the close of each term an average of these marks is made out, and a report of the scholarship, attendance, and conduct of each student is transmitted to his parent or guardian by the President. No student is advanced from one class to another whose average in any study is less than 7. Nor is any student recommended to the Board of Trustees for graduation if his average standing during either his Junior or Senior year shall fall below 8.

Conditioned students are not recommended to the Board of Trustees for promotion, and their names in the Annual Catalogue appear with those of the class to which the study in question belongs. Students conditioned on entrance must discharge such conditions within the first year thereafter.

If a student has failed in the studies of a term, he will not be permitted to enter upon the studies of a subsequent term, until he has passed in the subjects in which he failed, unless a postponement of examination to a definite time is granted by the Faculty.

A student who has not completed his rhetorical work in any term will not be permitted to enter upon any of the work of the succeeding term until such deficiency is made up.

Appointments in the Graduating Class are made according to the aggregate standing of each member during his entire course. But in assigning these parts, the Faculty takes into account the deportment of the student, as well as marks for recitations. The minimum average for an Oration of the First Class is fixed at 9, and for an Oration of the Second Class at 8.

Students who attain an average of 9.4 or more for their entire course are graduated *summa cum laude;* students who attain an average of 9.2 or more are graduated *magna cum laude;* those who attain an average of 9 or more are graduated *cum laude.*

EXAMINATIONS.

The dates of the examinations are given in the Calendar. In case a student fails to be present at the examination of his class, for any justifiable reason, his examination will be held at such time as the Faculty may appoint, but in no case is an examination granted to a student in advance of the time appointed for the examination of the class.

PUBLIC WORSHIP.

The College duties of each day are opened with religious services in Bucknell Hall, which all the students of the College and Academy are required to attend.

Attendance upon public worship in some church in town on Sunday morning is required. Students must attend the religious services held on Thanksgiving Day.

On the Day of Prayer for Colleges, religious services are held in the forenoon, when a sermon is preached by the President, or by some one at his request. All the students are required to attend. In the afternoon and evening services are held in Bucknell Hall, attendance upon which is urged, but not required.

VOLUNTARY SOCIETIES.

Euepia; Theta Alpha.—These are the two Literary Societies of the College. They have meetings on Friday evening of each week for Orations Essays, and Debates. Each Society has a convenient hall, and, by an arrangement of the Faculty, will always have a nearly equal number of members.

The Zeta Literary Society is composed of young women admitted to any of the courses in the College, and holds meetings bi-weekly.

The Young Men's Christian Association is formed of students from the College. It receives religious periodicals and corresponds with kindred societies. A hall has been appropriated to the Society, and has been suitably furnished for religious meetings.

The Students' Publishing Association is an organization which has in charge the issuing of the *Bucknell Mirror*. This periodical appears monthly during the collegiate year. The same Association publishes the *Commencement News* daily during Commencement week.

Another Association of students publishes, weekly, during the school year, the *Orange and Blue*.

GOVERNMENT.

It is assumed that all who enter upon the courses of study in the College do so for the purpose of acquiring an education, not only of the intellect, but also of character. The Laws of the College, enacted by the Board of Trustees, are as few and simple as the proper regulation of a community of young men will permit. These are printed, and a copy is placed in the hands of every student at the beginning of each year. These Laws must be observed, not only in their letter, but in their spirit. The atmosphere of the Institution is not that of arbitrary restraint, but of reasonable conformity to reasonable laws. The College does not wish to place its stamp or bestow its honors upon any one who is not willing to deport himself as a gentleman. Each student is distinctly placed upon his manhood, and if he abuses his privileges, after reasonable caution, he must withdraw from the Institution.

PRESIDENT'S OFFICE HOURS.

The President of the University is in his office, in the Main College building, every Tuesday from 9.30 A. M. to 12 noon, to confer with students who may desire advice or assistance. Students are encouraged to communicate frankly with the President upon any subject in which he may be of help to them.

OFFICE HOURS FOR THE FRESHMAN CLASS.

In addition to the office hours for the students in all departments of the University, special office hours for the members of the Freshman Class are held by Professor Hulley, in the President's office, on each Wednesday from 9.15 to 11.15 A. M.

OFFICE HOURS FOR THE COLLEGE WOMEN.

The Dean of the College women will receive in her office in the Institute College women who may desire advice or assistance from her.

HEALTH AND PHYSICAL CULTURE.

THE TUSTIN GYMNASIUM.

EMANUEL W. COBER, WILLIAM E. THOMPSON, EDWIN C. AMERMAN, DIRECTORS.

The Tustin Gymnasium has been provided for the physical training and development of male students. Young women have opportunity for physical training in the Gymnasium of the Institute. These are now provided with the apparatus usually found in well-furnished gymnasiums. The Directors of the Gymnasium examine every student, taking and recording in a book his physical measuremants, and prescribe such exercise as may be required for his physical development. Regular exercise in the Gymnasium is required of all students during the winter term.

The Athletic Association of the College has been formed to encourage and regulate athletic sports. Considerable liberty is permitted the Association in carrying out its purpose. The Association is not allowed, however, to arrange match games with other similar bodies without first having secured the consent of the Faculty.

No student who is deficient in rhetorical or class-room work in any term shall be eligible to the office of Manager or Director in any student organization; or to be a member of any exhibiting organization, or of any contesting athletic team, or of any Publishing or Editing Board during any subsequent term until such deficiency is made up.

THE INFIRMARY.

An Infirmary has been fitted up for the care of the sick.

AIDS AND HONORS.

PRIZES.

The prizes are awarded to the persons who in the judgment of the several committees attain the highest degree of excellence among the respective competitors, but no prize is bestowed unless a high degree of merit has been attained by the person receiving it.

THE PRIZE OF THE CLASS OF '71.

This prize, established by the Class of 1871, is awarded to the student of the Freshman Class who shall prove himself best prepared for College in the two branches, Latin and Mathematics, and who shall have received his preparatory training in Bucknell Academy.

The prize for 1898 was awarded to Hugo Bruno Charles Riemer.

THE FRESHMAN DECLAMATION PRIZE.

A prize is awarded to the member of the Freshman Class who shall excel in declamation at the Annual Contest of the Freshman Class.

The prize was awarded in 1898 to David Asbury Sausser.

THE FRESHMAN ESSAY PRIZE.

An annual prize is given to that member of the Freshman Class who shall on or before the first day of June in each year, present the best essay upon a topic to be selected by the Professor of Rhetoric. The Committee of Award will consist of the Professor of Rhetoric and two others, to be designated by the Faculty.

The prize for 1898 was awarded to Andrew Berend Shelley Bechtel.

THE SOPHOMORE DECLAMATION PRIZE.

A prize is awarded to the member of the Sophomore Class who shall excel in declamation at the Annual Contest of the Sophomore Class.

The prize for 1898 was divided between Edward Bell and Thomas Johnson Morris.

THE SOPHOMORE ESSAY PRIZE.

A prize is awarded to the member of the Sophomore Class who shall write the best English composition on an assigned subject. The Committee of Award consists of the Professor of Rhetoric and two others chosen by him.

The compositions are limited to 2,000 words, and must be presented to the Committee on or before the first day of June.

The prize was awarded in 1898 to Thomas Johnson Morris.

DECLAMATION PRIZE FOR WOMEN.

A prize for the best declamation open for competition to the Sophomore and Freshman Classes, was awarded in 1898 to Eliza Johnston Marton.

THE REGISTRAR'S PRIZE.

The Registrar of the University offers a prize to that member of the Junior Class who shall pronounce the best oration at the Junior Exhibition in Oratory.

The Junior oratorical prize was awarded in 1898 to Elizabeth Sheldon Hawley.

JUNIOR DEBATE PRIZE.

Prizes are awarded to the two members of the Junior Class who evince superiority in debate at the Junior prize contest.

The first prize was awarded in 1898 to Charles Paul Meeker; the second to Joseph Chalmers Hazen.

THE HOLLOPETER PRIZE.

William C. Hollepeter, M. D., Class of 1874, has established an annual prize for excellence in Chemistry, to be awarded to that student at graduation who shall have done the best work in Chemistry, regard being had both to the amount and quality of the work.

This prize was awarded in 1898 to Ralph Frederick Koons.

THE HERBERT TUSTIN PRIZES.

In memory of his deceased son, the late Professor F. W. Tustin, Ph. D., of the Class of 1856, paid to the Trustees of the University the sum of five hundred dollars, "as the foundation of the Herbert Tustin Prize Fund, the interest of which is to be forever paid annually as two prizes, in the proportion of fifteen dollars for the First Prize, and of ten dollars for the Second Prize, to the two students of the Senior Class who shall have attained the highest and the second highest standing in Psychology and Ethics (under such regulations for the pursuit of these studies as the Faculty of the College shall prescribe from time to time), and whose conduct for the last two years of their course in College shall have been without exception."

The first prize was awarded in 1898 to Charles Arthur Lindemann, and the second to Frederick W. Robbins.

THE CHAPLAIN J. J. KANE PRIZE.

The Rev. James J. Kane, A. M., Chaplain in the United States Navy, and a graduate of the Theological Department of this University, of the Class of 1867, has established a Prize which is to be given annually to that member of the graduating class who delivers the best oration on Commencement Day.

The prize was awarded in 1898 to Harry Chester Fithian.

THE CHARLES MILLER FELLOWSHIP.

A fellowship in Chicago University, open only to graduates of Bucknell University, has been founded by Gen. Charles Miller, A. M., of Franklin, Pa.

The Bucknell University Fellow for 1898–9 is Mary Belle Harris, A. M., Class of 1894.

SCHOLARSHIPS.

I. THE BUCKNELL SCHOLARSHIPS.

The William Bucknell Scholarships, twenty in number and of $1,000 each, were established for the purpose of aiding worthy young men in securing an education which will increase their usefulness in life. The income of these scholarships is to be paid annually to twenty young men, in accordance with the rules which will be made known upon application to the Committee of Examination, consisting of the President of the University, H. S. Hopper, Esq., and Professor Rockwood.

II. SCHOLARSHIPS FOR MINISTERS' CHILDREN.

Scholarships upon the general foundation have been established for the children of ministers of the Gospel, of all denominations, in active service.

III. THE LIVINGSTON SCHOLARSHIPS.

Established from a legacy of M. B. Livingston, twenty-two in number, are available for students for the Ministry.

IV. THE LONGAN SCHOLARSHIP.

The Longan Scholarship, established from a legacy of O. W. Longan, Esq., is available for a student for the Ministry from Lycoming Co., Pa.

V. THE EBEN C. JAYNE SCHOLARSHIPS.

Two scholarships have been established by Eben C. Jayne, Esq., of Philadelphia, for the benefit of young women in the College, the award to depend upon the standing and character of the students receiving them. The Eben C. Jayne scholars for 1897–8 were Ruth Horsfield Sprague and Grace Slifer.

VI. THE GEORGE ALEXANDER BAILEY SCHOLARSHIP.

A scholarship in memory of George Alexander Bailey, M. D., has been established by his brother, Orville E. B. Bailey.

VII. ANNUAL SCHOLARSHIPS.

A number of persons have established annual scholarships for the aid of young men or women attending college. Information concerning ministerial and annual scholarships can be obtained from the President of the University.

HONOR STUDIES.

In order to promote special scholarship in the several departments of study the following provision has been made:

1. Any student who has obtained an average of 9 in the studies of the previous term may take special work in any department of the College, under the direction of the Professor of that department.

2. Such work must be assigned by the Professor, and the method of study prescribed by him.

3. If the student shall attain an aggregate average of 9 in all the studies of the current term, and pass a satisfactory examination in the voluntary study, the work shall be credited to him in the Annual Catalogue of the College.

4. Only one such study shall be pursued by any one student during any one term. A student may also take two honor studies in the Summer vacation.

5. The Professor with whom the student is working shall have the privilege of requiring a partial examination on the work done at any time during the term, and there may be regular recitations at the Professor's option.

6. The amount and quality of this extra work shall be taken into account in awarding honors at graduation.

The following Honor Examinations have been sustained during the year ending June 22, 1898:

CLASS OF 1898.

John Truman Anderson, in Hebrew (two courses); **Emma Bolenius,** in Psychology; **Louis Hecker Burge,** in Chemical Philosophy and in Theories of Chemistry; **Mary Evans Chambers,** in German (two courses), in Plato's Apology and in Browning; **Joseph Hutchinson Cooke,** in Lucian and in Browning; **George Morgan Davis,** in Inductive Logic; **Joseph Robert Lincoln Diggs,** in French (three courses), in Anthropology, in History, and in Browning; **Frank Weber Dillon,** in French and in the Shaksperean Drama; **Elwood Herbert Dutton,** in German; **David Hayes Elliott,** in French; **Levi Truckenmiller Fetzer,** in Anthropology, in Lotze's Metaphysics, and in the Elements of Law; **Harry Chester Fithian,** in German (two courses), in History, in International Law, and in Lotze's Metaphysic; **Edward Flint,** in the Philosophy of History, in Browning and in the Science of Music; **Andrew Madison Forrester,** in Chaucer and in the English Bible; **Simon Ward Gilpin,** in Psychology, in History, in Civics, and in Lotze's Metaphysic; **Frank Golder,** in French, in German, and in Internationnl Law; **Charles Dison Koch,** in Psychology, in Lotze's Metaphysic, in German, in Chaucer, and in Railroad Transportation; **Ralph Frederick Koons,** in Psychology, in Biology, in Chemical Philosophy, and in the Method of Least Squares; **John Grant Lauderbaugh,** in Hebrew and in Argumentation; **Charles Arthur Lindemann,** in German (two courses), in Psychology, in Anthropology, in Metaphysics, in Quaternions, and in Middle English; **Andrew Albright Leiser, Jr.,** in Psychology and in Metaphysics; **Roy Brown Mulkie,** in French (three courses), and in Economics; **Hiram Long Purdy,** in Psychology and in the English Bible; **George Tilden Ritter,** in Chaucer and in Middle English; **Anna**

May Rodgers, in History, in German (two courses), and in Browning; **Grace Slifer**, in German (four courses) and in Browning; **Ruth Horsfield Sprague**, in French (two courses), in German, in Pre-Shaksperean Drama, and in Browning; **Arthur Anson Smith**, in Constitutional Law, in Constitutional Limitations, in the Elements of Law, and in Middle English; **James Palm Stober**, in Chaucer, in English History, and in the Elements of Law; **Benjamin Franklin Thomas**, in Chaucer, in French (two courses), and in Browning; **Frank Wayland Tilley**, in Logic and in Bacteriology; **Morris Cramer Van Gundy**, in Chemical Philosophy and in Toxicology; **Paul Emil Weithaase**, in Tertullian, in Sociology, in German, and in French; **Rutledge Thornton Wiltbank, Jr.**, in Civics, in Lotze's Metaphysic, in Browning, and in the Greek Testament.

CLASS OF 1899.

Charles Fayette Armour, in German (two courses); **Laura Louisa Allen**, in Xenophon's Symposium, and Cicero de Amicitia; **Floyd George Ballentine**, in French (two courses), in Latin and in German; **George Livingston Bayard**, in History; **Irving Herbert Buckminister**, in French (three courses); **John Emmett Calvin**, in German (two courses), and in French (two courses); **James Llewellyn Cattell**, in French; **Hubert Francis Cook**, in French and in the Elements of Law; **William Albion Cook**, in French and in the Elements of Law; **Amos Kapp Deibler**, in German and in French; **Grace Amelia DeWolfe**, in Integral Calculus, in Middle English, in French and in German; **Benjamin W. Griffith**, in Chaucer, in Middle English, in French and in German; **Joseph Chalmers Hazen**, in Inductive Logic and in History; **Robert Manning Ivins**, in Oratorical Delivery; **Daniel Horatio Krise**, in German (two courses), and in Argumentation; **Howard Curtis Meserve**, in German and in the Greek Testament; **William Robert Morris**, in History, in German, and in Argumentation; **Edwin Lightner Nesbit**, in Biology; **William Carey Purdy**, in the Science of Music; **Frank Joseph Rawlinson**, in German (three courses); **Reuben La Mont Rentz**, in German (three courses), in French, and in Anthropology; **David Howard Robbins**, in French (three courses), and in Experimental Physics; **Martin Luther Ross**, in French and in Anthropology; **Mary Hoopes Sharpless**, in German, in French (two courses), in the Odyssey, and in Latin Inscriptions; **Cullen Frazer Shipman**, in History and in Oratorical Delivery; **Myra Amy Sprague**, in French and in German (three courses); **Gertrude Stephens**, in German (four courses); **Mary Stephens**, in German (five courses); **William Thompson Todd**, in French (two courses), in Plato's Apology, in Browning, and in the Science of Music.

CLASS OF 1900.

Edward Bell, in Advanced Algebra, Higher Analytics, and Calculus; **Eliza Blair Bell**, in Horace; **Sarah Martha Black**, in Plato; **Marion Aubrey Carringer**, in German and in English Literature; **Irvin Amon**

De Witt, in English Literature and in Anthropology; **Elizabeth Lillian Foust**, in Horace; **George Austin Grim**, in History; **Winfield Scott Holland**, in Lucian and in Horace; **John Arthur Koons**, in French (two courses); **Rush Harrison Kress**, in American Literature and in History; **Eliza Johnston Martin**, in the Science of Music; **Thomas Johnson Morris**, in Sallust; **Emelie Louise Pooley**, in French; **George Edward Schilling**, in the Science of Music; **Andrew Jackson Sherwood**, in Horace; **Harvey Elmer Stabler**, in Horace; **Eugene Clarence Switzer**, in French and in Oratorical Delivery; **Isaac Raymond Vincent**, in French; **Harry Bornetraeger Wassell** (two courses) in German; **Mabel Estella Wheeler**, in Quintilian and in French; **Augusta, Genevieve White**, in German; **John Herbert Williams**, in French and in German.

CLASS OF 1901.

Frank Anderson, in Cicero de Amicitia and in the Odyssey; **Lyndon Ernest Ayres**, in Cicero de Amicitia; **Andrew Berend Shelley Bechtel**, in German (two courses); **Charles Franklin Bidelspacher**, in the Greek New Testament; **Maria Maude Goddard**, in Xenophon's Œconomicus; **Sarah Mabel Grier**, in Cicero de Amicitia; **Harriet Miller Guthrie**, in German (two courses) and in the Science of Music; **William Irvine King**, in Advanced Algebra and in Cicero de Amicitia; **Creighton M. Konkle**, in New Testament Greek; **Edith Lee Philips**, in Cicero de Amicitia, in the Odyssey and in Plato; **Hugo Bruno Charles Riemer**, in German (two courses); **Kathryn Edna Swenk**, in German (two courses); **Edith Morton Shepard**, in German; **Harland Adams Trax**, in German (two courses) and in Cicero de Amicitia; **Leslie Harvey Walton**, in Xexophon's Œconomicus.

EXPENSES.

The Study Rooms are so arranged that two students occupy the same study. The Dormitories are intended to accommodate only one person, so that each student has his own private sleeping-room. These are furnished with new spring bedsteads. The student must supply himself with all other furniture. Students are responsible for damage to their rooms, whether it be done when they are present in the room or absent from it.

The College charges amount to $90 per annum, for those who room in the College building, and $75 for those who room in the town. The Scholarships are rated at $50 per annum.

These charges must be paid in advance at the beginning of each term.

No student is entitled to his place in his class until he has made settlement with the Registrar.

An additional charge is made for rooms cared for by the Institution.

If a student occupy a study by himself, the charges for room-rent and private fuel will be doubled. The assignments are for one year, and are made the first

Monday morning in June, immediately after the devotional exercises in Bucknell Hall. Students from a distance will save inconvenience by applying to the Registrar for a room before the term opens.

Young men in the Collegiate Department, who so desire, can have furnished rooms, with board, in the East Hall of the Academy; young ladies in the same department have their residence in the Institute. For rates apply to the Registrar.

In the laboratories students pay for chemicals used and for apparatus broken or damaged. In the Chemical Laboratory this will amount to about $12.00 for Analytical and $3.25 for General Chemistry, depending upon the care of the student.

A small fee is charged also in each of the elective courses in the department of Organic Science, and in City Surveying, for the use of instruments and for material used.

Before entering upon the experimental courses students must deposit with the Registrar security for materials used.

Graduation fee and diploma, $10. Degree of Master of Arts and Diploma, $10.00.

Many students board in clubs at a cost of from $2.00 to $2.50 per week. Excellent boarding can be obtained in private families at $3.00 or $4.00 per week, or at the table of the Bucknell Academy at $3.00 per week. Washing is done at 25 cents per week. No boarding is allowed in the College buildings. It will be a matter of economy to bring some articles of furniture, especially bedding and carpets, from home. The dimensions of the study rooms are 12 feet by 12 feet; of the dormitories, 12 feet by 6 feet; of the bedsteads, 75 inches by 30 inches.

FORTY-EIGHTH ANNUAL COMMENCEMENT.

Wednesday, June 22, 1898.

HONORS AT GRADUATION.

ORATIONS SUMMA CUM LAUDE.

JOHN TRUMAN ANDERSON,
HARRY CHESTER FITHIAN,
RALPH FREDERICK KOONS,
CHARLES ARTHUR LINDEMANN,
FREDERICK W. ROBBINS,
ANNA MAY RODGERS,
GRACE SLIFER,
RUTH HORSFIELD SPRAGUE,
JAMES PALM STOBER,
RUTLEDGE THORNTON WILTBANK, JR.

ORATIONS MAGNA CUM LAUDE.

JOSEPH HUTCHINSON COOKE,
JOHN ALEXANDER CUTLER,
JAMES ROBERT LINCOLN DIGGS,
ELWOOD HERBERT DUTTON,
ANDREW MADISON FORRESTER,
FRANK CLARK KATHERMAN,
CHARLES DISON KOCH,
ROBERT GREEN SLIFER,
FRANK WAYLAND TILLEY,
PAUL EMIL WEITHAASE.

ORATIONS CUM LAUDE.

EMMA MILLER BOLENIUS,
LOUIS HECKER BURGE,
MARY EVANS CHAMBERS,
GEORGE MORGAN DAVIS,
FRANK WEBER DILLON,
LEVI TRUCKENMILLER FETZER,
EDWARD FLINT,
SIMON WARD GILPIN,
FRANK GOLDER,
JOHN GRANT LAUDERBAUGH,
ROY BROWN MULKIE,
GEORGE TILDEN RITTER,
ARTHUR ANSON SMITH,
BENJAMIN FRANKLIN THOMAS,
MORRIS CRAMER VAN GUNDY.

ORATIONS.

ENOS COOK BAKER,
CHARLES WOLVERTON CLEMENT,
DAVID HAYES ELLIOTT,
AMZI WILSON GEARY,
WILLIAM ISAAC GOLD,
ANDREW ALBRIGHT LEISER, JR.,
HIRAM LONG PURDY.

DEGREES CONFERRED ON EXAMINATION.

MASTER OF ARTS.

Maud Elizabeth Hanna, A. B., Frank Watterson Jackson, A. B.,
Herbert Baldwin Moyer, A. B., Romeyn Henry Rivenburg, A. B.,
Nellie Taylor, A. B.

MASTER OF PHILOSOPHY.

Merton Roscoe Collins, PH. B.

MASTER OF SCIENCE.

Frank Morton Simpson, SC. B.

BACHELOR OF ARTS.

John Truman Anderson, Emma Miller Bolenius,
Mary Evans Chambers, James Robert Lincoln Diggs,
Frank Weber Dillon, Elwood Herbert Dutton,
David Hayes Elliot, Edward Flint,
William Isaac Gold, John Grant Lauderbaugh,
Andrew Albright Leiser, Charles Arthur Lindemann,
Anna May Rodgers, Grace Slifer,
Robert Green Slifer, Ruth Horsfield Sprague,
Benjamin Franklin Thomas, Frank William Tilley,
Paul Emil Weithaase.

BACHELOR OF PHILOSOPHY.

Joseph Hutchinson Cooke, George Morgan Davis,
Levi Truckenmiller Fetzer, Harry Chester Fithian,
Amzi Wilson Geary, Frank Golder,
Charles Dison Koch, Ralph Frederick Koons,
Roy Brown Mulkie, Hiram Long Purdy,
George Tilden Ritter, Frederick W. Robbins,
Arthur Anson Smith, Rutledge Thornton Wiltbank, Jr.

BACHELOR OF SCIENCE.

Enos Cook Baker, Louis Hecker Burge,
Charles Wolverton Clement, John Alexander Cutler,
Andrew Madison Forrester, Simon Ward Gilpin,
Frank Clark Katherman, John Elmer Saul,
James Palm Stober, Bruce Hurst Trimmer,
Morris Cramer Van Gundy.

MASTER OF ARTS IN CURSU.

Elton Smith Corson, A. B., Philip Jackson Dickerson, A. B.,
Kate Irene McLaughlin, A. B.

HONORARY DEGREES CONFERRED.

MASTER OF ARTS.

Hamill Marr Alexander, M. D., Chaplain John James Kane.

DOCTOR OF SCIENCE.

Professor Charles Lyndall Penny, A. M.

DOCTOR OF DIVINITY.

The Reverend Alpheus Hagan Sembower, A. M.

DOCTOR OF LAWS.

The Reverend Eri Baker Hulbert, D. D.,
Head Professor of Theology, University of Chicago.
The Reverend Elias Henry Johnson, D. D.,
Professor of Theology, Crozer Theological Seminary.

THE ACADEMY.

INSTRUCTORS AND OTHER OFFICERS.

JOHN HOWARD HARRIS, PH. D., LL. D.,

PRESIDENT OF THE UNIVERSITY.

THOMAS A. EDWARDS, A. M., PRINCIPAL,

LATIN.

ALBERT BURNS STEWART, A. M.,

MATHEMATICS.

LLEWELLYN PHILLIPS, A. M.,

GREEK.

WILLIAM ALBERT KAUFFMAN, A. M.,

SCIENCE.

HARRY CHESTER FITHIAN, PH. B.,

HISTORY AND ENGLISH.

MRS. ANNIE M. BLACK,

MATRON.

WILLIAM CHRISTIAN GRETZINGER, PH. B.,

REGISTRAR OF THE UNIVERSITY.

STUDENTS.

THE FOURTH FORM.

CLASSICAL.

NAME.	RESIDENCE.	ROOM.
Frank Ellsworth Ammon,	*Strode's Mills.*	No. 5, Main Hall
Fleming Claude Bower,	*Lewisburg.*	Mr. F. E. Bower
John Morris Evans,	*Scranton.*	No. 12, Main Hall
Reese Harvey Harris,	*Lewisburg.*	President Harris
George Herbert Stewart,	*Lewisburg.*	Professor Stewart
Daniel Edward Stuart,	*Prince Edward Island, Can.*	No. 3, Main Hall
David William Thomas,	*Scranton.*	No. 7, Main Hall

SCIENTIFIC.

NAME.	RESIDENCE.	ROOM.
John Weiser Bassler,	*Sunbury.*	No. 23, East Hall
Samuel Luther Clark,	*Glen Campbell.*	No. 13, East Hall
Robert Macgregor Darlington,	*Lewisburg.*	Mr. R. D. Darlington
Merle Moe Edwards,	*Lewisburg.*	Principal Edwards
John Smith Goodman,	*Lewisburg.*	Mr. G. W. Goodman

NAME.	RESIDENCE.	ROOM.
William Huber Hoffa,	*Washingtonville.*	No. 10, Main Hall
Ogleby James McNitt,	*Siglerville.*	No. 10, East Hall
Eli Slifer Walls,	*Lewisburg.*	Mr. W. C. Walls

THE THIRD FORM.

CLASSICAL.

NAME.	RESIDENCE.	ROOM.
William Andrew Bartol,	*Lewisburg.*	Prof. W. C. Bartol
Percival Dewees Browning,	*Orbisonia.*	No. 19 East Hall
Forest Floyd Gallagher,	*Lewisburg.*	Mrs. J. T. Gallagher
William John Geen,	*Parsons.*	No. 6, Main Hall
William Miles Kieffer,	*Milton, Pa.*	Rev. W. T. L. Kieffer
Joseph William McIlroy,	*Philadelphia.*	Mrs. Miller
Stacy Lippincott Roberts,	*Williamsport.*	No. 17, East Hall
John Calvin Sanders,	*Vicksburg.*	Mr. C. M. Sanders
James Fay Shipman,	*Sunbury.*	Walter Shipman, Esq.

SCIENTIFIC.

NAME.	RESIDENCE.	ROOM.
Roger Saunders Edwards,	*Lewisburg.*	Principal Edwards
John Arthur Haines,	*Winfield.*	Mr. A. Haines
Clyde Mowery Heddens,	*Washingtonville.*	No. 11, Main Hall
Harold Perrine,	*Lewisburg.*	Professor Perrine
Ralph W. E. Savidge,	*Sunbury.*	Hon. C. R. Savidge

THE SECOND FORM.

NAME.	RESIDENCE.	ROOM.
John P. Eschbach,	*Milton.*	Home
Ralph Raymond Gallagher,	*Lewisburg.*	Mrs. J. T. Gallagher
George Bailey Harris,	*Lewisburg.*	President Harris
Guy Foster Hankee,	*Milton.*	Mr. L. A. Hankee
John Calvin Johnson,	*Lewisburg.*	Mr. Abel Johnson
Roy Francis Klose,	*Vicksburg.*	Mr. Solomon Klose
Harry Barron Miller,	*Lewisburg.*	Mr. G. B. Miller
William Ellsworth Miller,	*Sunbury.*	Mr. Johnson B. Miller
William O'Neill,	*Philadelphia.*	No. 9, East Hall
Russell Leighton Sanders,	*Dry Valley Cross Roads.*	Mr. Chas. W. Sanders
John Calvin Snyder,	*Forest Hill.*	Home
Thomas R. Thomas,	*Scranton.*	No. 7, Main Hall
John Elmer Watts,	*Lewisburg.*	No. 4, Main Hall
Clyde Dale Wolfe,	*Lewisburg.*	Home
William Nevin Yearick,	*Lewisburg.*	Rev. Z. A. Yearick

THE FIRST FORM.

NAME.	RESIDENCE.	ROOM.
Spenser T. Harris,	*Lewisburg.*	President Harris
Guy Jones,	*Minersville.*	No. 15, East Hall
Frank Musser Nesbit,	*Lewisburg.*	Mr. J. C. Nesbit
Garfield Arthur Williams,	*Carbondale.*	No. 11, East Hall
George Matlack Wolfe,	*Lewisburg.*	Mr. W. W. Wolfe

STUDENTS PURSUING SELECT STUDIES.

NAME.	RESIDENCE.	ROOM.
Charles Napoleon Brosius,	*Mt. Pleasant Mills.*	Mr. R. J. Weidensaul
William Davis,	*Nanticoke.*	Mrs. R. J. Anderson
Frederick Dunlop Gearhart,	*Lock Haven.*	No. 17, East Hall
William Marshall Groff,	*Lewisburg.*	Dr. G. G. Groff
John Charles Groff,	*Lewisburg.*	Dr. G. G. Groff
Wilson Abner Hornberger,	*Richfield.*	Mr. C. B. Mitterling
David M. Hughes,	*Mt. Carmel.*	No. 10, Main Hall
Kenzie Kohler,	*Lewisburg.*	Mr. T. D. Baker
Arthur Victor Lesher,	*Dimmsville.*	Mr. C. B. Mitterling
Harry Joseph Little,	*Bloomsburg.*	No. 18, East Hall
William Nogle Marsh,	*Lewisburg.*	Mrs. Nellie C. Marsh
Stephen Mitterling,	*Richfield.*	Mr. C. B. Mitterling.
Herbert Lee Milligan,	*Bradford.*	No. 17, East Hall
Vincent Charles Pepper,	*Ashland.*	No. 12, East Hall
Henry Allen Salisbury,	*Swedesboro, N. J.*	No. 9, East Hall
John Arthur Schaeffer,	*Mt. Pleasant Mills.*	Mr. R. J. Weidensaul
Charles Samuel Shepard,	*Baltimore.*	No. 5, Main Hall
William Harley Slifer,	*Lewisburg.*	Mrs. C. V. Slifer
James Howe Stevens,	*Altoona.*	No. 21, East Hall
Lynn Delos Sweet,	*Canton.*	No. 11, East Hall
Ira Robertson Teitsworth,	*Pensyl.*	No. 6, Main Hall

SUMMARY.

The Fourth Form, Classical,	7	
" " Scientific,	8	
		15
The Third Form, Classical,	9	
" " Scientific,	5	
		14
The Second Form,		15
The First Form,		5
Students Pursuing Select Studies,		21
Total in Academy,		70

COURSES OF STUDY.

The Academy is designed to fit pupils for College, for Teaching, or for Business. It offers two Courses of Study.

1. **The Classical Preparatory Course** extends through four years and is arranged to meet the requirements for admission to College. The study of Latin begins with the Second Form and continues for three years. The study of Greek begins with the Third Form and continues for two years. Notwithstanding the time given to these important branches of study, fully one-half of the time of the entire course is devoted to English, Historical, Mathematical, and Scientific subjects.

II. **The Scientific Preparatory Course** extends through four years and furnishes adequate preparation for either division of the Philosophical Course in College. The First and Second Forms of the Classical and the Scientific Courses are identical. In the Third and Fourth Forms, the student preparing for the Latin Division substitutes Historical and Scientific subjects for the Greek of the Classical Course; while the student preparing for the Greek Division substitutes the Greek of the Third and Fourth Forms for the Latin and includes the Historical and Scientific subjects.

Students may enter the Form which they are prepared to pursue with profit.

Students who are able to accomplish more work in the allotted time than is required by the Classical Course, are encouraged to add the special studies of the Scientific Course. They may also pursue extra honor work in the Classics by reading, under an instructor's direction, Cæsar's Civil War, Cicero's Letters, or Sallust, and the Books IV, V, VI, of the Iliad, or the Hellenics.

Students who are preparing for the English Scientific Course in College can elect the necessary studies from the regular Curricula of the Academy.

Students who do not intend to enter College but who desire a comprehensive academic training, will find the Scientific Preparatory Course, with Latin, well adapted to prepare them for teaching or for business.

Transient students may elect from the studies offered in any term such branches as they are qualified to pursue.

CURRICULA.

I. CLASSICAL PREPARATORY COURSE.

FIRST FORM.

I. TERM—	Arithmetic,	Penmanship.
	English Grammar,	Orthography,
	History of the United States,	Reading.
II. TERM—	Arithmetic,	Penmanship or Drawing,
	English Grammar,	Orthography and Etymology,
	General History,	Reading.
III. TERM—	Arithmetic,	Penmanship or Drawing,
	English Language,	Orthography and Etymology,
	General History,	Reading.

SECOND FORM.

I. TERM—	Higher Arithmetic,	Penmanship or Drawing,
	Latin—Lessons,	Literature and Elocution,
	Rhetoric,	Bible.
II. TERM—	Book-keeping,	Penmanship or Drawing,
	Latin—Lessons,	Literature and Elocution,
	Grammar,	Bible.
	History of Greece,	
III. TERM—	Physical Geography,	Penmanship or Drawing,
	Latin,	Literature and Elocution,
	History of Rome,	Bible.
	Elementary Botany,	

THIRD FORM.

I. TERM—	Natural Philosophy,	Composition,
	Cæsar's Commentaries,	Literature and Elocution,
	Greek—Lessons,	Bible.
II. TERM—	Algebra,	Composition,
	Vergil's Æneid,	Literature and Elocution,
	Greek—Lessons,	Bible.
	Grammar,	
III. TERM—	Algebra,	Composition,
	Vergil's Æneid,	Literature and Elocution,
	Xenophon's Anabasis,	Bible.

FOURTH FORM.

I. TERM—	Algebra, Quadratics, Latin—Vergil's Æneid, Prosody, Xenophon's Anabasis, Greek Prose Composition,	Literature and Oratory, Elocution, Bible.
II. TERM—	Plane Geometry, Latin—Cicero's Orations, Prose Composition, Homer's Iliad,	Literature and Oratory, Elocution, Bible.
III. TERM—	Plane Geometry, Cicero's Orations, Greek—Homer's Iliad, Prose Composition, Xenophon's Anabasis,	Literature and Oratory, Elocution, Bible.

II. SCIENTIFIC PREPARATORY CLASS.

FIRST FORM.

I. TERM—	Arithmetic, English Grammar, History of the United States,	Penmanship, Orthography, Reading.
II. TERM—	Arithmetic, English Grammar, General History,	Penmanship or Drawing, Orthography and Etymology, Reading.
III. TERM—	Arithmetic, English Language, General History,	Penmanship or Drawing, Orthography and Etymology.

SECOND FORM.

I. TERM—	Higher Arithmetic, Latin—Lessons, Rhetoric,	Penmanship or drawing, Literature or Elocution, Bible.
II. TERM—	Book-keeping, Latin—Lessons, Grammar, History of Greece,	Penmanship or drawing, Literature and Elocution, Bible.
III. TERM.—	Physical Geography, Latin, History of Rome, Elementary Botany,	Penmanship or Drawing, Literature and Elocution, Bible.

THIRD FORM.

I. TERM—Natural Philosophy,	Composition,
Cæsar's Commentaries,	Literature and Elocution,
History of England,	Bible.
II. TERM—Algebra,	Composition,
Vergil's Æneid,	Literature and Elocution,
Astronomy,	Bible.
III. TERM—Algebra,	Composition,
Vergil's Æneid,	Literature and Elocution,
Civil Government,	Bible.

FOURTH FORM.

I. TERM—Algebra, Quadratics,	Literature and Oratory,
Latin—Vergil's Æneid,	Elocution,
Prosody,	Bible.
Physiology,	
II. TERM—Plane Geometry,	Literature and Oratory,
Latin—Cicero's Orations,	Elocution,
Prose Composition,	Bible.
English Literature,	
III. TERM—Plane Geometry,	Literature and Oratory,
Cicero's Orations,	Elocution,
Geology,	Bible.

TEXT-BOOKS.

ENGLISH LANGUAGE AND LITERATURE:—Reed's Word Lessons; Kellogg and Reed's Word Building; Sheldon's Advanced Lessons in English; Reed and Kellogg's Higher Lessons; Butler's Composition; D. J. Hill's Elements of Rhetoric; Pancoast's Representative English Literature; English and American Classics, various editions.

MATHEMATICS:—The American Comprehensive Arithmetic; Wentworth's Advanced Arithmetic; Wentworth's New School Algebra; Wentworth's Geometry; Book-keeping.

HISTORY AND GOVERNMENT:—Fiske's United States; Barnes' General; Montgomery's English; Myer's Greece; Myer's Rome; Macy's Civil Government.

GREEK:—White's First Greek Book; Goodwin's Greek Grammar; Goodwin's Anabasis; Seymour's Iliad.

LATIN:—MacMillan's Shorter Course; Welsh and Duffield's Invasion of Britain; Collar's Gate to Cæsar; Bennett's Grammar; Allen and Greenough's New Cæsar; Greenough and Kittredge's Vergil; Allen and Greenough's New Cicero.

SCIENCE:—Physical Geography; Sharpless and Phillips' Natural Philosophy; Young's Lessons in Astronomy; Martin's Briefer Course in Physiology; Le Conte's Elements of Geology.

METHODS OF INSTRUCTION.

The Preparatory Curriculum naturally falls into six principal lines of study, viz., English, Latin, Greek, History, Mathematics, and Natural Science. These combine, in due proportion, the cultural, the disciplinary and the practical elements of intermediate education. The two great divisions of modern study, the Classical and the Scientific, are accorded adequate and appropriate preparation. The subjects, facilities, and methods of the various departments are explained below.

I. THE ENGLISH LANGUAGE.

A thorough grounding in the principles of English Grammar is indispensable to the student's progress in the subsequent language studies. The continuous application of this knowledge in Composition, and the constant comparison with the forms and idioms of the Ancient Languages, prepare the way for the study of elementary Rhetoric, and the appreciative reading of English and American Literature. The aim is the clear, elegant, and forcible use of the mother tongue as the chief instrument of expression.

II. THE LATIN LANGUAGE.

The Inductive Method is used in the elementary instruction. The student investigates the formation of the language. The abstract rules of Syntax are learned from the analysis and synthesis of sentences. Careful drill is given in the declensions and conjugations, in the use of the moods and the sequence of tenses, in the ready reading of the Latin text, in sight reading and in accurate translation into idiomatic English. Attention is given to the important personal, historical, and political elements in the writings of Cæsar and Cicero. In Vergil, the student is introduced to the poetry, legend, religion, philosophy, and art of Rome. He is taught to investigate the allegorical, archæological, and mythical allusions of the Æneid, and to appreciate it as the mirror of the life of the Empire. Latin prosody is taught first from the text, and then from the grammar.

III. THE GREEK LANGUAGE.

The first two terms of the Third Form are spent in a thorough study of White's First Greek Book. In the third term Xenophon's Anabasis is read and special attention is given to acquiring a vocabulary and to the forms and syntax of nouns, pronouns, and adjectives. In the first half year of the Fourth Form the reading of Xenophon is continued. During the last half Homer's Iliad is read and the difference between Homeric and Attic forms is noted. Throughout the course Prose Composition is frequently given for the purpose of acquiring a vocabulary and a knowledge of syntax.

IV. HISTORY.

The course in History includes a survey of the History of the United States, England, Greece, and Rome. The aim is not so much to fill the student's mind with a collection of dates and events as to acquaint him with the life, the genius, the institutions, and the achievements of the respective peoples, and their part in the wider history of mankind. Students are encouraged to cultivate the historical imagination; to compare rare characteristics, arts, and religions, and to appreciate the noble ideals, the heroic struggles and sacrifices that have imparted imperishable worth to human institutions.

Civil Government is taught as a preparation for intelligent citizenship. The origin and growth of our institutions, the functions of the various departments of the National, State, and local governments, the political history of the people, the interpretation and construction of the Constitution, are presented and discussed.

V. MATHEMATICS.

Arithmetic.—To students who are fitting themselves for business, a course is given in practical business Arithmetic, involving all the ordinary problems and practices in the business world. To those who are preparing for college or for teaching instruction is given in the theory and science of Arithmetic. Pupils are expected to master the principles and then to formulate their own rules.

Algebra.—The course extends through one period daily for one year, and includes a thorough knowledge of the fundamental principles, Factoring, Divisors and Multiples, Fractions, Equations, Involution, Evolution, Theory of Exponents, Radicals, and Quadratic Equations. Daily blackboard work serves to apply the principles taught. The student is required both to know the methods of the solution of problems and also to explain the operation to the class.

Plane Geometry.—The instruction consists in daily recitations for two terms on the Theorems and Problems given in the text-book, with original demonstrations of the same Propositions by the students from hints and figures given in the class-room. Besides this, considerable attention is given to the solution of original Propositions, and the application of principles thus learned to the solution of numerical problems.

Book-keeping.—A practical introduction to the science of accounts is secured in the term devoted to mastering the principles of Double Entry Book-keeping. Careful attention is given to business forms, to the usages of Banks, and to the elements of Commercial Law. The subject may be pursued in its more extended and intricate applications by a second term's work, open to properly qualified students.

VI. SCIENCE.

Physical Geography lays a foundation for subsequent work in all sciences. It surveys the earth's physiography, climate, atmosphere, fauna, flora, ocean tides and currents, and geological agencies. Special attention is given to the physical features of the United States. The subject is illustrated by drawings, photographs, colored and relief maps, and specimens from the Museum.

Botany is taught by text-book, field exercise, plant analysis, and weekly lectures. A brief outline is first obtained of plant structure, physiology, growth, and reproduction. The subject is then reviewed by daily drill in analyzing, recording, classifying, and preserving specimens. The recorded analysis of fifty plants is required. Lectures explaining special forms of vegetable growth, the flora of this country, the cultivation, uses, and history of plants complete the work.

Physiology.—Every effort is made to impart clear ideas of the structure, parts, and functions of the human body. Special attention is given to the chemistry of foods, the laws of health, the effects of stimulants and narcotics. Suggestions are constantly made as to poisons and their antidotes, the care of the sick, disinfection and sanitation, and accidents and emergencies. Charts, manikin, and preparations are used in class.

Natural Philosophy.—The student is thoroughly grounded in the elements of mechanics and physics. The apparatus of the College Laboratory is available for use. The historical beginnings of each subject, and subsequent development, are sketched in brief lectures. No pains are spared to familiarize the pupil with the laws of these sciences, by instruction, experiment, review, and repeated examination. The truth of principles is proved, except where the demonstration involves the mathematics of the higher course in College.

Astronomy.—Descriptive Astronomy discusses the earth's relations to the solar system, the masses, motions, and orbits of each member of it; the causes and consequences of at least five motions of the earth; general boundaries of the constellations of the Zodiac and northern heavens; the accepted theories of comets, meteors, and nebulæ. Charts, star maps, globes, and other apparatus are used, and the student is afforded privileges of observation in the College Observatory.

Geology.—The student here masters the elements of lithological, structural, dynamic, and historical Geology. Specimens of various rocks and minerals are handled in class; their composition, characteristics, and place in nature are explained; the structure of the earth in its present form is studied; the history of its evolution, the age and characteristics of its strata, the chief geological features of each continent, and the forces at work, and that have worked to produce changes, are considered.

VII. ORATORY.

Class Exercises.—Members of the Fourth Form prepare and deliver two original orations each term. All other students have regular exercises in Composition and Declamation throughout the year. Public exercises are held in Bucknell Hall on Saturday morning, before the faculty and students of the Academy. Visitors are cordially welcomed to these exercises.

In addition to the private rehearsals for the work above indicated, all students receive weekly instruction in Elocution. The course includes careful drill in the Elementary sounds, in Articulation, and in Expression; in Analytical Reading, including the Bible and Hymns; and the study of Shakspere.

VIII. SPECIAL BRANCHES.

Bible Study.—The study of the Bible is pursued as a regular weekly recitation throughout the Second, Third, and Fourth Forms, in both courses of study. A scheme of study is arranged at the beginning of each year. It is intended that the successive schemes for the various years of the course will cover the Life of Christ, the Historical portions foreshadowing the Christ, and the History of the Apostolic Church.

Literature Study.—The reading and study of the masterpieces of English and American Literature is maintained in the Second, Third, and Fourth Forms by means of weekly recitations and conferences. The work required is identical with the "Scheme of Uniform Entrance Examinations in English Language and Literature," adopted by the "Association of Colleges and Preparatory Schools of the Middle States and Maryland." It comprises (a) careful readings of representative works of certain authors, as literature; (b) thorough study as to "subject matter, form, and structure" of other selections. Regular examinations will determine the student's proficiency.

The Study of Music may be pursued by Academic students under the instructions of Professor E. Aviragnet and his assistants, of the School of Music.

Drawing.—All students of the Academy may receive throughout the year weekly lessons in Free-hand and Drawing and Penmanship without extra charge. Special individual instruction in Drawing is afforded at twenty-four dollars per annum.

IX. HEALTH AND PHYSICAL CULTURE.

The Tustin Gymnasium affords opportunity for physical exercise in the winter and during inclement weather at other seasons. The Directors of the Gymnasium give regular class exercises to the students of the Academy. Attendance upon physical training in the Gymnasium is obligatory during the Winter Term.

The Athletic Association of the Academy has been formed to encourage and regulate athletic sports. The Association is allowed to arrange match games with other similar bodies by first securing the consent of the Principal.

PUBLIC EXHIBITIONS.

THIRD FORM.

The Public Exhibition of the Third Form in Declamation will take place on Saturday evening, April 22d, 1899, in Bucknell Hall.

FOURTH FORM.

The closing exercises of the Academy will be the Public Exhibition in Oratory of the Fourth Form, on Tuesday morning, June 20th, 1899.

GENERAL INFORMATION.

ADVANTAGES.

To the student seeking preparation for College, the Academy offers unusual inducements. Its proximity to the College secures to him an atmosphere of study, acquaintance with the guides and companions of his future course, and the benefit of numerous literary exercises to be found only in College towns. He has access to the College Library and Reading Room. The Academy is designed to fit its pupils thoroughly for College, for Business, or for Teaching. It aims to lay broad and solid foundations for all subsequent scholarly culture and for the successful conduct of every-day affairs.

GOVERNMENT.

Students are encouraged to regard self-government as the only true government. It will be the constant endeavor to secure uprightness of character, gentlemanly deportment, and diligent application to work, by kind treatment, and high standards in conduct and study. The Academy cannot knowingly accept or retain incorrigibles.

I. ADMINISTRATION.

1. The general control of the Academy is vested in the President of the University.

2. The government of the Academy, subject to such control, rests with the Principal of the Academy.

3. The government of each Hall is vested in the Instructor in charge, who resides in the Hall and enforces regulations for the Hours of Study, Academy Property, Hygienic Precautions, and General Deportment, and such other prudential regulations as may be ordered by the joint concurrence of the President of the University and the Principal of the Academy.

4. Each Instructor shall have charge of his classes with reference to attendance upon recitations. He shall report to the Principal cases of non attendance, and inexcusable failure on the part of students to prepare regular lessons or special work assigned.

II. VIOLATION OF RULES.

1. Any officer of the Institution becoming cognizant of any violation of regulations by any pupil shall report the same to the Principal of the Academy, who shall make a record of the fact in a book provided for the purpose.

2. Every violation of the laws and prudential regulations of the Academy will subject the offender to a penalty of demerits, graded according to the flagrancy and frequency of the offense.

3. When the sum of a pupil's demerits equals ten it shall be the Principal's duty to notify the parent or guardian of the offender, specifying the offense; for every additional five demerits like notification shall be made.

4. Additional disciplinary penalties in the form of reprimand, "campus," suspension, dismissal, or expulsion, according to the necessities of the case, will follow repeated violations.

BUILDINGS AND ROOMS.

The Academy Buildings are described in detail in the introductory pages of this Catalogue.

The Main Building contains, besides its accomodations for other school and boarding purposes, rooms for students. The rooms are designed to accommodate two students each, and are twenty feet by twelve feet, and fourteen feet high. They are subdivided into a study room twelve feet by ten feet, and a dormitory nine feet square.

The New East Hall contains combined study and sleeping rooms, each designed for two students. These rooms are fifteen feet by twelve feet, with high ceilings, and contain two commodious closets and two single wire mattress beds with all necessary furniture.

UNFURNISHED ROOMS.

The Academy has a number of unfurnished rooms for the accommodation of students of mature years and of limited means. No attention by servants is given to these rooms, nor are lights supplied. Two students occupy a study room in common. The dormitories are provided with bedsteads with wire mattress. All other furnishing is to be done by the occupants. While second-hand articles of furniture may be obtained here, it will be to the student's advantage to bring from home bedding and carpets. The dimensions of the study rooms are ten feet by twelve feet; of the dormitory, nine feet by nine feet.

ARTICLES REQUIRED.

Each student should be provided with an umbrella, overshoes, table napkins, towels, soap, and other articles usually required for personal comfort. All articles for the laundry should be marked with the owner's name.

BOARDING.

All students from a distance will occupy rooms and will board in the Academy, except for reasons jointly satisfactory to the President of the University and the Principal of the Academy.

The Principal and his family, the Instructors, and the Matron live in the building, take their meals with the boarders, and strive in all possible ways to secure the welfare and happiness of the students. The Instructors occupy rooms

adjacent to the students' apartments. The appointments of the Dining Rooms, the character of the table supplies, the household service in general, are designed to furnish the comforts of a first-class boarding-house. So far as may be warranted by the deportment of the students, there will be absent from the home-life of the school all needless uniformity in irksome limitations, which disregard the reasonable individual preference of pupils.

The Academy gives to furnished rooms daily and complete attention, provides and washes all bedding and bed-clothing, and supplies and cares for all lights.

Engagements for board and rooms are expected to continue without change to the end of the school year for which they are made.

APPLIANCES.

The Academy is in possession of excellent apparatus for instruction. A select Reference Library, containing an Encyclopedia, Lexicons, Dictionaries, Atlases, and various other helps, is accessible to students at all hours. The Classical Recitation Room is provided with Kiepert's Wall Maps of Ancient Geography, and with Reinhard's Album of Classical Antiquities, mounted. Metric apparatus, Maps and Globes render assistance in other directions.

The apparatus of the College also is accessible to the classes for purposes of experiment and illustration.

The College Library, numbering 19,000 volumes, is available for all students.

STUDY-ROOM.

In order to insure favorable conditions of study, the Academy maintains a public study-room for the use of day-pupils and such boarding pupils as are thereby better accommodated in the preparation of their lessons. This room is under the constant supervision of the Proctor or one of the instructors of the Academy. Except when engaged in recitation, day pupils and such others as are assigned thereto, are required to occupy seats in the study room during the day study hours, unless excused for good reason. A record of such attendance is kept, and enters into the pupil's standing at the end of the term.

HOURS.

The time devoted to study and recitation amounts to nine hours every week-day, except Saturday, when it is only two hours. This time should be sacred to its purpose. Parents of the day pupils are requested to co-operate with the school in securing attention to evening study hours, and to avoid furnishing excuses or granting occasions for absence.

Students from a distance should be in Lewisburg on the day preceding the opening of each term, and no student should leave until the term has closed. Punctuality in attendance is essential to success in school work.

For terms and vacations, see the Calendar of the University.

STANDING AND PROMOTIONS.

The weekly averages of marks for recitations are recorded, and also failures in conduct and attendance. The scale for such markings ranges from 10, or perfect, to 0, or inexcusable failure. Unexcused absences count as zero.

Monthly and term examinations are held in the studies thus far completed, and term reports in the average in scholarship, attendance, and conduct of each student are sent to parents or guardians by the Principal.

No student is promoted to the next higher class whose average in any study is less than 7.

Students who complete the Preparatory Courses of Study are admitted to standing in corresponding divisions of the Freshman Class in the College, upon the Principal's certificate, without examination.

All students who complete in a satisfactory manner either the Classical or the Scientific Course of Study, and who have sustained irreproachable characters during their school residence, shall be entitled to the diploma of the Academy, and to a certificate setting forth their proficiency in the branches studied.

Students attaining an average standing of 9 are encouraged to take work additional to the Regular Courses of Study.

PRIZES.

The Harry S. Hopper Prize.

Mr. Harry S. Hopper, of Philadelphia, Chairman of the Board of Trustees, offers an annual prize for excellence in Composition.

This prize for 1898 was awarded to David Alexander Pitts.

The Rev. David Porter Leas Prize.

Rev. David P. Leas, of Philadelphia, Treasurer of Bucknell University, offers an annual prize to that member of the Third Form who shall excel in the Annual Exhibition of the Third Form in Declamation.

This prize in 1898 was awarded to John Davis.

The William E. Martin Prize.

Professor William E. Martin offers an annual prize to that member of the Fourth Form who shall pronounce the best oration at the Academic Graduating Exhibition.

This prize for 1898 was awarded to David Alexander Pitts.

LITERARY SOCIETY.

This is a voluntary organization of students for mutual improvement in literary and oratorical exercises. It has a large and convenient hall in the Main Academy Building, where meetings are held on Friday evenings.

RELIGIOUS SERVICES.

The duties of each day are opened with devotional exercises in Bucknell Hall, which all students are required to attend. Devotional exercises are also held in the Academy every evening, just before the evening study hour. All Academic students residing on the University campus are required to attend these exercises.

Regular attendance upon public worship at some church in town on Sunday morning is required; also upon services on Thanksgiving Day, and the Day of Prayer for Colleges. Attendance upon Sunday-schools and mid-week prayer-meetings, while voluntary, is strongly urged upon students.

Parents or guardians are requested to indicate to the Principal the church which they wish their sons or wards to attend.

The Academic students maintain a branch of the Young Men's Christian Association, which holds a weekly prayer-meeting on Tuesday evenings.

EXPENSES.

EAST HALL.

	Per Annum.
Tuition, Board, Furnished Room, Heat, Lights, Care, Washing, and Incidentals, ...	$230 00

MAIN HALL.

Tuition, Board, Unfurnished Room, Heat, Washing, and Incidentals, ...	185 00
Tuition, and Incidentals to Day Pupils, ...	55 00

All charges are payable to the Registrar of the University in advance, at the beginning of each term, or by the 25th of September, 10th of January and April.

No student is entitled to his place in his class until he has made settlement for the term bills.

An extra charge will be made for washing more than 12 pieces per week.

Students who remain in the Academy during the holiday or spring vacation will be charged at the rate of $4.50 per week. Table boarders will be charged the regular rate, $3.00 per week.

Free scholarships, covering tuition, are provided in all the departments of the University for the children of Ministers of the Gospel *in actual service.*

The expenses for Music and Printing for Exhibitions and Anniversary occasions are paid by the classes for which such expenses are incurred.

For information respecting the Academy, address the President of the University, John H. Harris, Ph. D., LL. D., or the Principal, Thomas A. Edwards, A. M.

THE INSTITUTE.

INSTRUCTORS AND OTHER OFFICERS.

JOHN HOWARD HARRIS, PH. D., LL.D.,
PRESIDENT OF THE UNIVERSITY AND INSTRUCTOR IN PSYCHOLOGY AND ETHICS.

EVELINE JUDITH STANTON, PH. M., PRINCIPAL,
AND INSTRUCTOR IN ENGLISH LITERATURE.

ELYSEE AVIRAGNET, A. M., MUS. DOC.,
VOCAL AND INSTRUMENTAL MUSIC AND THE ROMANCE LANGUAGES.

JULIET AIKIN,
INSTRUMENTAL MUSIC.

ELIZA BELL, PH. B.,
HISTORY AND LATIN.

JESSIE JUNE WHEELER, A. M.,
MATHEMATICS.

CANDACE WOOD,
ART.

GERTRUDE LEVERICH KNOX,
VOCAL AND INSTRUMENTAL MUSIC.

MAUD ELIZABETH HANNA, A. B.,
GERMAN, ELOCUTION, AND GYMNASTICS.

WILLIAM ALBERT KAUFFMAN, A. M.,
SCIENCE.

WILLIAM CHRISTIAN GRETZINGER, PH. B.,
REGISTRAR OF THE UNIVERSITY.

ELIAS REYNOLDS,
CARE OF THE INSTITUTE GROUNDS AND BUILDINGS.

MRS. ELIAS REYNOLDS,
MATRON.

DIRECTORY OF THE ALUMNÆ.

OFFICERS OF THE ALUMNÆ.

President, MRS. NELLIE RUSSELL HAMBLIN.

Vice-President, MISS ELLA LAWSHE.

Recording Secretary, MRS. MARTHA E. WOLFE.

Corresponding Secretary, MISS MABEL THOMAS, Lewisburg, Pa.

Treasurer, MRS. SARAH SHORKLEY.

Board of Managers.

THE OFFICERS OF THE ASSOCIATION AND MRS. AUGUSTA TUCKER LOOMIS AND MRS. W. E. MARTIN.

OFFICERS OF THE LEWISBURG ALUMNÆ CLUB.

President, MISS EVELINE J. STANTON.

Vice-President, MRS D. BRIGHT MILLER.

Secretary, MRS. WM. DIFFENDERFER.

Treasurer, MISS JOSEPHINE LAWSHE.

Corresponding Secretary, MISS ANNA VAN GUNDY.

OFFICERS OF THE PHILADELPHIA ALUMNÆ CLUB.

President, MRS. O. W. SPRATT.

Vice-President, MRS. F. W. TUSTIN.

Recording Secretary, MISS CARRIE V. LLOYD.

Correspondiny Secretary, MISS NELLIE W. CONARD,

748 North Fortieth Street, Philadelphia.

Treasurer, MRS. JOHN T. REILLY.

Assistant Treasurer, MRS. E. M. CLEMENT.

The Principal of the Institute will esteem it a favor if any graduate who changes her residence will give notice of her new address. She will also be grateful for any information that will assist in making the directory of the graduates and former students complete.

GRADUATES.

CLASS OF 1898.

NAME.	RESIDENCE.
Catherine Ruth Bower,	*Lewisburg.*
Mary Dunleavy,	*Mt. Carmel.*
Nelle Eva Hower,	*Lewisburg.*
Katherine Mott Johnson,	*Lewisburg.*
Louise Weimer Lawshe,	*Lewisburg.*
Grace Celesta Moses,	*Harrisburg.*
Isabella Schweier,	*Mifflintown.*
Jessie Thekla Steiner,	*Lewisburg.*

NAMES OF STUDENTS.

THE SENIOR CLASS.

NAME.	RESIDENCE.	ROOM.
Emily Edna Brown,	*Rochester.*	Institute
Katie Luzina Campbell,	*Peale.*	Institute
Carrie Elizabeth Devitt,	*Sharpsville.*	Institute
Nellie Jeanette Dunkel,	*Lewisburg.*	Mr. F. M. Dunkel
Elizabeth Evans,	*Freeland.*	Institute
Lucy Hayes Grier,	*Columbia.*	Institute
Jene Donald Himmelreich,	*Lewisburg.*	Mr. S. H. Himmelreich
Sarah Ethel Judd,	*Lewisburg.*	Rev. John T. Judd
Elizabeth Kremer,	*Lewisburg.*	Mr. J. K. Kremer
Marie Louise Leiser,	*Lewisburg.*	A. A. Leiser, Esq.
Mary Emily McCreight,	*Lewisburg.*	Mr. J. S. McCreight
Clara Jane Slifer,	*Lewisburg.*	Mrs. C. V. Slifer

NAME.	RESIDENCE.	ROOM.
Alberta Pearl Stapleton,	*Lewisburg.*	Rev. A. Stapleton
Harriet Elspeth Vaughan,	*Newark, N. J.*	Institute
Clara Wilson,	*Rochester.*	Institute

THE FOURTH YEAR CLASS.

NAME.	RESIDENCE.	ROOM.
Evelyn Etting Booth,	*Gladwyn.*	Institute
Helen Marr Forrest	*Lewisburg.*	Mr. James B. Forrest
Nellie May Goddard,	*Philadelphia.*	Institute
Hannah Goodman,	*Lewisburg.*	Mr. G. W. Goodman
Mary Halfpenny,	*Lewisburg.*	Mr. T. E. Halfpeney
Mary Adella Heiser.	*Lewisburg.*	E. S. Heiser, M. D.
Mary Florence Higgins,	*Lewisburg.*	Mr. D. P. Higgins
Sarah Jane Roos,	*Lewisburg.*	Mr. Charles Roos
Margaret Stein,	*Lewisburg.*	Mr. George Stein
Alif Stephens,	*Lewisburg.*	Leroy Stephens, D. D.
Anna Stephens,	*Lewisburg.*	Leroy Stephens, D. D.
Louise Voorhis Warriner,	*Montrose.*	Institute
Grace Mary Werner,	*Haddonfield, N. J.*	Institute

THE THIRD YEAR CLASS.

NAME.	RESIDENCE.	ROOM.
Lulu Margaret Biddle,	*Lewisburg.*	Mr. G. Biddle
Louise Gregory,	*Greensburg.*	Institute
Mary Alice Keiser,	*Lewisburg.*	Mrs. E. A. Keiser

NAME.	RESIDENCE.	ROOM.
Adda Bassett Kline,	*Winfield.*	Mr. George M. Kline
Millo Marie McCain,	*Philadelphia.*	Institute
Maud Catherine McGann,	*Lewisburg.*	Rev. I. H. McGann
Sarah Alice Nesbit,	*Lewisburg.*	Mr. J. C. Nesbit
Anna O'Neill,	*Philadelphia.*	Institute
Elsie Carrie Seiler,	*Lewisburg.*	Mrs. Carl Seiler
Ruth Stephens,	*Lewisburg.*	Leroy Stephens, D. D.

PURSUING SELECT STUDIES.

NAME.	RESIDENCE.	ROOM.
Elizabeth Baumgardner,	*Milton.*	Mr. James Baumgardner
Laura Emma Chillson,	*Shamokin.*	Institute
Katherine Reed Christ,	*Shamokin.*	Institute
Mary Haynes Coxe,	*Montrose.*	Institute
Sarah Lathrop Courtright,	*Montrose.*	Institute
Susie Kress Crandall,	*Elkland.*	Institute
Marie Howell Crandall,	*Elkland.*	Institute
Carrie Maude Dick,	*Port Allegany.*	Institute
Margaret Beaver Groff,	*Lewisburg.*	Professor Groff
Harriet Anna Emerick,	*Milton.*	Institute
Anna Halfpenny,	*Lewisburg.*	Mr. T. E. Halfpenny
Mary Zoe Kelly,	*Ottawa, Ohio.*	Institute
Mabel Lilia Love,	*Philadelphia.*	Institute

NAME.	RESIDENCE.	ROOM.
May Marsh,	*Lewisburg.*	Mr. W. B. Marsh
Edith Grace Miller,	*Rebersburg.*	Institute
Elizabeth Frazee Reynolds,	*Montrose.*	Institute
Phyllis Anna Roe,	*Watsontown.*	Mr. Richard L. Roe
Grace Eckman Savidge,	*Kline's Grove.*	Institute
Louisa Ann Lynn Seiler,	*Lewisburg.*	Mrs. Carl Seiler
Maud Shipman,	*Sunbury.*	Walter Shipman, Esq.
Pearle Snyder,	*Sunbury.*	Mr. Samuel Snyder
Jeanette Stoughton,	*Lewisburg.*	Mr. Frank C. Stoughton
Selina Watkins,	*Johnstown.*	Institute

SUMMARY.

Seniors,	15
Fourth Year,	13
Third Year,	10
Pursuing Select Studies,	23
Total in the Institute,	61

COURSES OF STUDY.

The Bucknell Institute offers to young women three courses of study, each extending over five years. Students are admitted to advanced standing, if, upon examination, they are found to have satisfactory knowledge of the branches which the class they propose to enter has already completed.

Credentials from Graded Schools are accepted in the studies of the First and Second Years.

Credentials are accepted for the Third and Fourth Years from schools whose curricula are equivalent to that of Bucknell Institute; also from accredited private teachers, in studies which are *continued* after entrance.

I. THE LITERARY COURSE.

The Literary Course embraces, in MATHEMATICS, Arithmetic, common and advanced, Algebra and Geometry, plane and solid, and Higher Algebra with Trigonometry and Analytical Geometry as electives; in LATIN, two years *required*, and a third year elective with German or French; in GERMAN and FRENCH, one year each or two of either; and in ITALIAN and SPANISH, an optional course; in SCIENCE, Physical Geography, Botany, Astronomy, Physics, Physiology, Chemistry, and Geology. In these branches the students have the advantages afforded by the College Observatory, Laboratory, and Museum. The course also includes Rhetoric, Composition, Civil Government, Psychology, Ethics, and History of Art.

Special attention is given to History and Literature, to the former of which six and to the latter of which three terms are devoted.

II. THE CLASSICAL COURSE.

The Classical Course embraces, in MATHEMATICS, Arithmetic, Algebra, Geometry, plane and solid, University Algebra, Trigonometry, and Analytical Geometry; in LATIN, Grammar and Composition, Cæsar, Vergil, Cicero's Orations, Cicero de Senectute et de Amicitia, Livy, and Paterculus, in all, four years; in GREEK, Grammar and Composition, Xenophon's Anabasis, Homer's Iliad, Lysias' Orations, Plato's Apology, Homer's Odyssey, and the Greek Testament, in all, three years; in HISTORY, General History, and Greek and Roman History.

Students who complete the Classical Course are admitted to the Sophomore Class in College as candidates for the first degree in Arts.

III. THE LATIN SCIENTIFIC COURSE.

The Latin Scientific Course corresponds to the Classical Course, except that scientific subjects are substituted for the first two years of Greek, and German for the third year of Greek.

Students who complete the Latin Scientific Course are admitted to the Sophomore Class in College as candidates for the first degree in Philosophy.

SELECT STUDIES.

Students who do not wish to pursue a course of study may elect such subjects in connection with the recitations of the regular classes as they may be qualified to pursue.

REQUIREMENTS FOR ADMISSION.

The required age for admission to the first-year class or to pursue select studies is twelve years, and a proportionate increase of age for admission to advanced classes.

CURRICULA.

I. THE LITERARY COURSE.

FIRST YEAR.

I. TERM—	Arithmetic,	Bible,
	United States History,	Composition,
	English Grammar,	Penmanship.
II. TERM—	Arithmetic,	Bible,
	General History,	Composition,
	English Grammar,	Penmanship,
	Physical Culture.	
III. TERM—	Arithmetic,	Bible,
	General History,	Composition,
	English Language,	Penmanship.

SECOND YEAR.

I. TERM—	Latin—Lessons,	Bible,
	Rhetoric,	Composition,
	Higher Arithmetic,	Elocution.
II. TERM—	Latin—Lessons,	Bible,
	Grammar,	Composition,
	History of Greece,	Elocution,
	Book-keeping,	Physical Culture.
III. TERM—	Latin,	Bible,
	Physical Geography,	Composition,
	Botany,	Reading,
	History of Rome,	Physical Culture.

THIRD YEAR.

I. TERM—	Cæsar,	Bible,
	Natural Philosophy,	Reading of Classics,
	English History,	Composition,
	Drawing.	
II. TERM—	Vergil,	Composition,
	Algebra,	Reading of Classics,
	Astronomy,	Drawing,
	Bible,	Physical Culture.
III. TERM—	Vergil,	Bible,
	Algebra,	Composition,
	Civil Government,	Reading of Classics,
	Drawing.	

FOURTH YEAR.

I. TERM—	Vergil, *or*	Bible,
	German,	Composition
	Algebra, Quadratics,	Drawing,
	Physiology,	Elocution.
II. TERM—	Cicero, *and*	Bible,
	Latin Prose Composition, *or*	Composition,
	German,	Elocution,
	Geometry,	Physical Culture.
	Chemistry,	
III. TERM—	Cicero, *or*	Bible,
	German, *and*	Composition,
	Geometry,	Elocution,
	Geology,	Physical Culture.

SENIOR YEAR.

I. TERM—	Psychology,	Bible,
	English Literature,	Composition,
	French, *or*	Elocution,
	German, *or*	Physical Culture.
	Higher Algebra, *and*	
	Solid Geometry,	
II. TERM—	English Literature,	Bible,
	History of Art,	Composition,
	French, *or*	Elocution,
	German, *or*	Physical Culture.
	Trigonometry,	
III. TERM—	Ethics,	Bible,
	American Literature,	Composition,
	French, *or*	Elocution.
	German, *or*	
	Analytical Geometry.	

II. THE CLASSICAL COURSE.

FIRST YEAR.

I. TERM—	Arithmetic,	Bible,
	United States History,	Composition,
	English Grammar,	Penmanship.
II. TERM—	Arithmetic,	Bible,
	General History,	Composition,
	English Grammar,	Penmanship,
		Physical Culture.
III. TERM—	Arithmetic,	Bible,
	General History,	Composition,
	English Language,	Penmanship.

SECOND YEAR.

I. TERM—Latin—Lessons,	Bible,
Rhetoric,	Composition,
Higher Arithmetic,	Elocution.
II. TERM—Latin—Lessons,	Bible,
Grammar,	Composition,
History of Greece,	Elocution,
Book-keeping,	Physical Culture.
III. TERM—Latin,	Bible,
Physical Geography,	Composition,
Elementary Botany,	Reading,
History of Rome,	Physical Culture.

THIRD YEAR.

I. TERM—Natural Philosophy,	Reading of Classics,
Cæsar's Commentaries,	Composition,
Greek—Lessons,	Drawing,
Bible,	Physical Culture.
II. TERM—Algebra,	Bible,
Vergil's Æneid,	Composition,
Greek—Lessons,	Reading of Classics,
Grammar,	Drawing,
Physical Culture.	
III. TERM—Algebra,	Composition,
Vergil's Æneid,	Reading of Classics,
Xenophon's Anabasis,	Drawing,
Bible,	Physical Culture.

FOURTH YEAR.

I. TERM—Algebra, Quadratics,	Bible,
Latin—Vergil's Æneid,	Composition,
Prosody,	Drawing,
Xenophon's Anabasis,	Elocution,
Greek Prose Composition,	Physical Culture.
II. TERM—Plane Geometry,	Bible,
Latin—Cicero's Orations,	Composition,
Prose Composition,	Elocution,
Homer's Iliad,	Physical Culture.
III. TERM—Plane Geometry,	Bible,
Cicero's Orations,	Composition,
Greek—Homer's Iliad,	Elocution,
Prose Composition,	Physical Culture.
Xenophon's Anabasis,	

SENIOR YEAR.

I. TERM—	Geometry,	English Bible,
	Algebra,	Elocution,
	Cicero de Senectute,	English Composition.
	Odyssey,	
	Greek Prose Composition.	
II. TERM—	Trigonometry,	Rhetoric,
	Algebra,	Elocution,
	Livy,	English Composition.
	Lysias,	
	Greek Testament.	
III. TERM—	Analytical Geometry,	Chemistry,
	Paterculus and Pliny,	Elocution,
	Plato,	English Composition.
	Greek Testament.	

III. THE LATIN SCIENTIFIC COURSE.

FIRST YEAR.

I. TERM—	Arithmetic,	Bible,
	United States History,	Composition,
	English Grammar,	Penmanship.
II. TERM—	Arithmetic,	Bible,
	General History,	Composition,
	English Grammar,	Penmanship,
		Physical Culture.
III. TERM—	Arithmetic,	Bible,
	General History,	Composition,
	English Language,	Penmanship.

SECOND YEAR.

I. TERM—	Latin—Lessons,	Bible,
	Rhetoric,	Composition,
	Higher Arithmetic,	Elocution.
I. TERM—	Latin—Lessons,	Bible,
	Grammar,	Composition,
	History of Greece,	Physical Culture,
	Book-keeping,	Elocution.
III. TERM—	Latin,	Bible,
	Physical Geography,	Composition,
	Elementary Botany,	Reading,
	History of Rome,	Physical Culture.

Third Year.

I. Term—Cæsar's Commentaries, Natural Philosophy, English History, Bible, Composition, Reading of Classics, Drawing.

II. Term—Algebra, Vergil's Æneid, Astronomy, Bible, Composition, Reading of Classics, Drawing, Physical Culture.

III. Term—Algebra, Vergil's Æneid, Civil Government, Bible, Composition, Reading of Classics, Drawing.

Fourth Year.

I. Term—Algebra, Quadratics, Latin—Vergil's Æneid, Prosody, Physiology, Bible, Composition, Drawing, Elocution.

II. Term—Plane Geometry, Latin—Cicero's Orations, Prose Composition, English Literature, Bible, Composition, Elocution, Physical Culture.

III. Term—Plane Geometry, Cicero's Orations, Geology, Bible, Composition, Elocution.

Senior Year.

I. Term—{ Geometry, Algebra, } Cicero de Senectute, German, English Bible, Elocution, English Composition.

II. Term—{ Trigonometry, Algebra, } German, Livy, Rhetoric, Elocution, English Composition.

III. Term—Analytical Geometry, Paterculus and Pliny, German, Chemistry, Elocution, English Composition.

TEXT-BOOKS.

The following text-books are used: McCosh's Cognitive Powers, Hyde's Ethics, D. J. Hill's Rhetoric, Pancoast's English Literature, Goodyear's History of Art, Collar and Daniels' Latin Exercises, Harper and Tolman's Cæsar, Allen and Greenough's Cicero, Harper and Miller's Vergil, Rockwood's Cicero de Senectute, Lord's Livy, Platner's Pliny, Rockwood's Velleius Paterculus, White's First Greek Book, Gleason's Gate to the Anabasis, Goodwin's Anabasis, Seymour's Iliad, Perrin's Odyssey, Morgan's Lysias, Scribner's Greek Testament, Keller's First Year in German, Buchheim's Deutsche Lyrik, Hatfield's Composition, Keller's Bilder aus der deutschen Literatur, Schiller's Der Taucher, Goethe's Götz von Berlichingen, Goethe's Hermann and Dorothea and Faust, Wentworth's Grammar School Arithmetic, Wentworth's Higher Arithmetic, Wentworth's Algebra, Wells' College Algebra, Wentworth's Geometry, Bartol's Solid Geometry, Wentworth's Trigonometry, Nichol's Analytical Geometry, Sharpless and Philips' Natural Philosophy, Young's Astronomy, Gray's Botany, Walker's Physiology, Barnes' General History, Fiske's History of the United States, Guest's History of England, Myer's History of Greece and of Rome, Macy's Civil Government.

METHODS OF INSTRUCTION.

I. PSYCHOLOGY AND ETHICS.

Psychology is taught by text-book and informal lectures. The relations of Psychology to education is made a special feature of the course.

The aim in the course in Ethics is to make the instruction as practical as possible. Hyde's work on Ethics is used as a text-book.

II. LITERATURE AND ART.

Literature is taught by topical outlines, the elaboration of which depends upon a sympathetic study of the masterpieces in connection with the lives and times of the writers. The subject is so presented that a vital experience results from the contact rather than an empty form of knowledge to encumber the memory. The object of the course is to cultivate and ennoble the emotions, to stimulate the imagination, and to reinforce the will with strong and exalted motives.

The History of Art is a required study in the Senior year, Literary Course. The aim of the course is to give a general knowledge of the development of art and to lead to an acquaintance with individual artists and their work. Some attention is given to the theories concerning the origin of the art-impulse itself, and the law of the mental evolution which has governed the history of art.

III. HISTORY.

History.—Six terms are devoted to this study. The course embraces General History, the History of the United States, of England, and of Greece, and of Rome. The text-book is supplemented by the topical method. Efforts are made to convince the learner that History is not mere facts in chronological order, but a record of the development of civilization.

Civil Government is taught as a preparation for intelligent citizenship. The origin and growth of our institutions, the functions of the various departments of the National, State, and local governments; the political history of the people; the interpretation and construction of the Constitution, are discussed.

IV. THE ENGLISH LANGUAGE.

English Grammar.—The aim is to enable the pupils to speak and write the English language with accuracy and force. No text-book is used, the instruction being inductive.

Rhetoric is taught as a practical aid to English Composition. Daily exercises in Composition are required.

English Composition is required throughout the course. Classes in Composition meet weekly for general criticism and the assignment of work. One essay is required from each student monthly, and an exercise in rapid and concise writing is assigned weekly.

V. THE LATIN LANGUAGE.

The method employed with beginners is the Inductive. Paradigms of Declension and Conjugation, with the Principles of Syntax, are introduced gradually, after many illustrations. English sentences are translated into Latin, readiness in Latin Composition and a correct style being thus acquired.

The following courses are offered: 1. Latin Grammar and Lessons, two terms: 2. Cæsar: Gallic War, two terms; 3. Vergil: Æneid, three terms; 4. Cicero: Orations, two terms; 5. Cicero *De Senectute* and Livy, one term; Livy: Books XXI and XXII, one term; 7. Paterculus and Pliny, one term.

VI. THE GREEK LANGUAGE.

The first half year of the Third Year is spent in acquiring sufficient knowledge of forms and inflections to commence the study of Xenophon's Anabasis. During the last half year, special attention is given to the inflection and syntax of nouns, pronouns, and adjectives. The reading of Xenophon is continued in the first term of the Fourth Year, and the forms and syntax of verbs made a special study. Homer is then read for one term and a half, and the difference between Homeric and Attic forms is noted. During the last half term Xenophon is reviewed, that the student may refresh her knowledge of Attic Greek, and may not find her transition to College needlessly difficult. Almost daily drill is given in turning into Greek, sentences based on the text of Xenophon.

The following courses in Greek are offered to students in the Classical Course: 1. Greek Lessons, two terms; 2. Xenophon: Anabasis, two terms; 3. Homer: Iliad, two terms; 4. Lysias: Orations, one term; 5. Homer: Odyssey, one term; 6. Plato: Apology, one term; 7. Greek New Testament.

VII. MODERN LANGUAGES.

1. **French, Italian, and Spanish.**—The modern languages are taught by comparing them with the mother tongue of the pupil, if there be any relation between them. If there is none, they are compared with the Latin and Greek languages. In French, rules are taught by which the words that are not exactly the same in the two languages are easily made into French.

French syntax is taught by examples and illustrations from readings. The grammar is taught from the language, and not the language from the grammar. Dictation exercises are given from Whitney's Practical French.

As far as practicable French only is spoken in the class-room. Extracts are read from the best French literature. Conversations are held in French on the readings, stories are related, and compositions prepared in French by the pupil.

The aim is to teach the Modern Languages so that they can be spoken correctly.

The same method is used in teaching Spanish and Italian.

2. **German.**—In the study of German the aim is to get a knowledge of the language in an all-round way. This is accomplished not alone through the study of grammar and the translation of German into English, but by daily practice in conversation, the committing to memory of poems and idioms, and through an acquaintance with biography and the different phases of German life. As little English as practicable is used in the class-room. Throughout the course there is constant sight-reading, translation at hearing, and translation from English into German.

The reading of the second year includes the best German authors studied in connection with Keller's History of German Literature.

VIII. MATHEMATICS.

Arithmetic.—Two objects are considered in teaching the subject: first, to give the student a practical knowledge of all ordinary business problems and calculations; second, to develop her ability to think logically and rapidly. The memorizing of rules and mechanical processes is not required, but independent thought, logical analysis and neatness, clearness and accuracy in all written work are demanded. A drill in Mental Arithmetic is combined with the required work of the text-book.

Elements of Algebra.—Three terms are given to this subject. There is thorough drill in the fundamental operations, and the idea that these are simply the application of arithmetical processes to symbols of general value is kept constantly in mind. The course includes Quadratic Equations, Theory of Exponents, Variation, and Series.

Geometry.—The course includes Plane and Solid Geometry. Besides the demonstrations of Theorems given in the text-book, original demonstrations and the solution of problems are required.

Higher Algebra.—The topics discussed are: Progressions, Theory of Limits, Differentiation, Development of Functions into Series, Convergency and Summation of Series, Logarithms, Compound Interest and Annuities, Permutations and Combinations, Probability, Continued Fractions, and the Theory of Equations.

Trigonometry.—The course includes Plane and Spherical Trigonometry. Time is given to the numerical illustration of principles, for the purpose of making sure that the meaning and use of formulæ, demonstrated and learned, are thoroughly understood.

Analytical Geometry.—The student is taught the elementary properties of the right line and the conic sections. The course is intended to give a clear conception of the method of Cartesian Analysis, rather than an extensive knowledge of its results.

IX. SCIENCE.

Natural Philosophy.—The student is thoroughly grounded in the elements of mechanics and physics. The historical beginnings of each subject, and subsequent developments, are sketched in brief lectures. No pains are spared to familiarize the pupil with the laws of these sciences by instruction, experiment, review, and repeated examination. The truth of principles is proved, except where the demonstration involves the higher mathematics. The apparatus of the College is available for class use.

Astronomy.—Descriptive Astronomy discusses the earth's relation to the solar system, the masses, motions, and orbits of each member; the causes and consequences of at least five motions of the earth: general boundaries of the constellation of the Zodiac and Northern Heavens; the accepted theories of comets, meteors, and nebulæ. Charts, star maps, globes, and other apparatus are used, and the student is afforded privilege of observations in the College Observatory.

Physical Geography lays a broad foundation for subsequent work in all sciences. Special attention is given to the physical features of the United States.

Drawings, photographs, colored and relief maps, and specimens from the Museum, aid to make the subject clear.

Geology.—The student is required to master the elements of lithographical, structural, dynamic, and historical Geology. Specimens of various rocks and minerals are handled in class; their composition, characteristics, and place in nature are explained; the structure of the earth in its present form is studied; the history of its evolution, the age and characteristics of its strata, the chief geological features of each continent, and the forces at work are considered.

Botany is taught by text-book, plant analysis, and weekly lectures. A brief outline is first obtained of plant structure, physiology, growth, and reproduction. The subject is then reviewed by daily drill in analyzing, recording, classifying, and preserving specimens. The recorded analysis of fifty plants is required. Lectures explaining special forms of vegetable growth, the flora of this country, the cultivation, uses, and history of plants complete the work.

Physiology.—Every effort is made to impart clear ideas of the structure, parts, and functions of the human body. Special attention is given to the chemistry of foods, the laws of health, and the effects of stimulants and narcotics. Suggestions are also made as to poisons and their antidotes, the care of the sick, disinfection and sanitation, and accidents and emergencies. The subject is illustrated by the use of a manikin, charts and preparations.

Descriptive Chemistry is taught by text-book and lectures. The object of the course is to give the student a general knowledge of the common elements, their sources, uses, compounds, and behavior towards other elements and compounds, and to drill the student in writing formulæ and solving chemical equations. To accomplish this, each student will be expected to spend at least five hours each week in the Laboratory, studying the characteristics and reactions of the elements and their compounds, and performing the experiments outlined in the text and lectures. Notes will be kept by each student, describing the experiment and giving the equation which represents the reaction taking place. The Instructor from time to time examines the note-books, and makes such suggestions as he thinks may be helpful.

X. ELOCUTION.

This department is open to all members of the Institute. Its aim is the correct and effective utterance of thought. Special attention is given to Voice Culture, Articulation, including Pronunciation and Expression. Weekly Rhetoricals afford opportunity for platform work. Bible Reading and the Study of Shakspere have places in the course.

PHYSICAL CULTURE.

The health of the students is made a prime object of attention, and sanitary requirements are carefully observed. The Institute Gymnasium has been refurnished, and classes in Physical Culture are organized for the benefit of all students. The exercises practiced are such as tend to develop grace and strength. The Institute Campus of six acres furnishes facilities for exercise. Lawn Tennis and other out-door games are encouraged, and exercise in the open air is required.

ÆSTHETIC CULTURE.

It is intended that the pupils of the Institute shall have the influence unconsciously received from painting, music, and refined surroundings, as well as direct instruction in Literature, Music, and Art. Special instruction in Music and Art is given in schools devoted to those subjects.

The art collection has been recently enriched by a fine oil painting, "Tobit's Offering to the Angels," presented by Mrs. H. S. Hopper.

The Venus de Milo and other casts have also been added.

SOCIAL CULTURE.

Pupils are trained to observe the usages of good society. Meetings of various organizations for improvement in Literature, Music, and Art, and receptions in charge of the pupils add variety to student life. No effort is spared to give the pupils the advantages of a cultured home. The purpose is to develop the social life of the institution within itself. Students are not permitted, during term-time, to visit in neighboring towns. The number of social functions during a term is limited, and the consent of the Principal must be obtained for each function at least one month before it is to occur.

RELIGIOUS TRAINING.

The Institute is distinctively Christian in its influence. Morning and evening Chapel in the Hall of the Institute building is attended by all students in the Institute courses, special students, and ladies pursuing studies in the School of Music. College women living in the Institute attend evening Chapel.

Attendance upon Sabbath-school and church services in town is required. All students have weekly recitations in Inductive Bible Study. The students have organized several special classes for Scripture study.

The Young Women's Christian Association, a voluntary society open to the officers and students of the Institute, meets on the second Sunday and on the second Thursday of each month. The regular Tuesday evening prayer-meeting, with other devotional meetings, and missionary and temperance work, are in charge of this Association.

SPECIAL BRANCHES.

1. Italian and Spanish may be taken as optional studies, under the instruction of M. Elysée Aviragnet.

All optional studies must be pursued in connection with the regular classes.

2. Bible instruction is given once a week throughout the entire course.

3. Essays are required of all students each month.

4. Two declamations are required of each student during each term.

5. Exercises in Elocution are required once a week of all classes. The text-book is Shoemaker's Practical Elocution, and the course of instruction includes:

Voice Culture; Modulation; Analytical Reading; Articulation—Phonetics; Expression—Gestures, and the study of Shakspere.

6. Special individual instruction in Elocution is offered at fifty cents a lesson.

PUBLIC EXERCISES.

THE EXERCISES OF THE GRADUATING CLASS.

The Commencement Exercises of the Institute are held in the College Commencement Hall on Tuesday afternoon of Commencement week.

THE EXERCISES OF THE FOURTH-YEAR CLASS.

The Exercises of the Fourth-Year Class, a combined musical and literary entertainment, are held in Bucknell Hall on the last Saturday evening in the month of April.

THE CONTEST IN ELOCUTION.

A Contest in Elocution for the prize in that subject, open to all members of the Institute, takes place in Bucknell Hall on the second Saturday evening in the month of May.

ALUMNÆ SOCIETIES.

The Alumnæ Association holds its anniversary on Monday afternoon of Commencement week.

The Lewisburg Alumnæ Club meets at the Institute on the second Tuesday evening of each month during term-time.

The Philadelphia Alumnæ Club is composed of graduates living in and near that city.

STUDENTS' LOAN SOCIETY OF BUCKNELL INSTITUTE.

In June, 1887, there was organized in connection with Bucknell Institute an association for the purpose of assisting young women of limited means to obtain an education. A fund was established by gifts from the Alumnæ and friends of the Institute. The money is loaned to beneficiaries, who obligate themselves to return it, *without interest*, as soon after their graduation as they may be able.

Before the organization of this Society, many promising students at Bucknell Institute were unable to finish the course of study because there was no provision for financial assistance.

Since 1887, but for the help of this Association, some of the best of our graduates would have been deprived of the training which has fitted them for the positions they now fill as teachers, authors, missionaries, and pastors' helpers.

During this first decade twenty-four young ladies have received aid. More than one-fourth of these have returned the loan in full.

The Society meets in the parlors of the Institute on the first Wednesday afternoon after the opening of each term, at half-past two o'clock.

The annual meeting for the election of officers is held at the Institute on the first Wednesday after the opening of the winter term.

The payment of one hundred dollars constitutes the donor a Life Member of the Association; five dollars annually, an Active Member.

Contributions should be sent to the Treasurer, Mrs. T. H. Purdy, Sunbury, Pa. Any information will be given by the President, Mrs. Katharine B. Larison, Cochecton Centre, N. Y., or Mrs. John T. Judd, Corresponding Secretary, Lewisburg, Pa.

THE ART DEPARTMENT.

MISS CANDACE WOOD.

The facilities for the study of Art have been greatly increased by the accommodations allotted to this department, in a special studio, which provides such adjustments for admission of light and unencumbered wall surface as to render it adapted for the execution and display of art production.

For such students as desire opportunity for work preparatory to professional study, and for those who wish to fit themselves to give systematic instruction in drawing, the following course is provided:

First Year.—Drawing in Pencil, Charcoal, and Crayon from solid geometrical forms, and portions of the human figure, with the necessary elements of Perspective, the Laws of Proportion, and the Relations of Light and Shade.

Second Year.—Drawings from the Antique in Coal, Crayon, Sepia, or Oil Monochrome; Modeling in Clay or Wax. Study in Color from Draperies and Still Life.

Third Year.—Composition, Color in Landscape, Pen and Ink Drawing, and Painting in Color from Nature and from Life.

On successful completion of this entire course a certificate of proficiency will be awarded.

Students who do not desire the certificate course, and whose interest is in Decorative Work, will receive the requisite instruction in the latest methods—China Painting, Tapestry, Dyeing, and applied Design in other mediums and materials.

Charges for instruction in Art are as follows:

	Per Annum.
Drawing,	$24 00
Crayoning,	33 00
Painting in Oil, Water Colors, Pastel, or on China,	60 00
	Per Lesson.
Special individual instruction in Painting,	$1 00

Free-hand Drawing is a part of the required work of the school, without extra charge.

ART EXHIBIT.

On the last three days of Commencement week a display of art products by the pupils of the School of Art is made in the Studio. At this time a committee of art students receives and entertains all those who visit the Studio.

GRADUATES IN ART, 1898.

NAME.	RESIDENCE.
Alice Flora Dunham,	Sheffield
Mabel Florence Morgan,	Winton

STUDENTS OF ART.

NAME.	RESIDENCE.	ROOM.
Eleanor Barber,	*Lewisburg.*	The Misses Bucher
Elizabeth Tower Bates,	*Lewisburg.*	Hon. S. D. Bates
Evelyn Elting Booth,	*Gladwyn.*	Institute
Marie Howell Crandall,	*Elkland.*	Institute
John Charles Groff,	*Lewisburg.*	Professor Groff
George Bailey Harris,	*Lewisburg.*	President Harris
Spenser T. Harris,	*Lewisburg.*	President Harris
Clyde Mowery Heddens,	*Washingtonville.*	Academy
May Zoe Kelly,	*Ottawa, Ohio.*	Institute
Sarah Esther Lee,	*Jermyn.*	Institute
Fannie McLaughlin,	*Lewisburg.*	Home
Jessie June Wheeler,	*Erie.*	Institute
Mary Wilson,	*Lewisburg.*	Mr. Thomas Wilson
Alicia Mitchel Zierden,	*Johnsonburg.*	Institute

CLASS IN DRAWING.

NAME.	RESIDENCE.	ROOM.
Lulu Margaret Biddle,	*Lewisburg.*	Mr. G. Biddle
Mary Halfpenny,	*Lewisburg.*	Mr. T. E. Halfpenny
Mary Adella Heiser,	*Lewisburg.*	Dr. E. S. Heiser

NAME.	RESIDENCE.	ROOM.
Mary Alice Keiser,	*Lewisburg.*	Mrs. E. A. Keiser
Mabel Lilia Love,	*Philadelphia.*	Institute
Maud Catherine McGann,	*Lewisburg.*	Rev. I. H. McGann
Millo Marie McCain,	*Philadelphia.*	Institute
Sarah Alice Nesbit,	*Lewisburg.*	Mr. J. C. Nesbit
Sarah Jane Roos,	*Lewisburg.*	Mr. Charles Roos
Elsie Carrie Seiler,	*Lewisburg.*	Mrs. Carl Seiler
Louisa Ann Lynn Seiler,	*Lewisburg.*	Mrs. Carl Seiler
Margaret Stein,	*Lewisburg.*	Mr. George Stein
Anna Stephens,	*Lewisburg.*	Leroy Stephens, D. D.
Alif Stephens,	*Lewisburg.*	Leroy Stephens, D. D.
Ruth Stephens,	*Lewisburg.*	Leroy Stephens, D. D.

GENERAL INFORMATION.

ADVANTAGES.

The Bucknell Institute offers to young ladies superior educational advantages. Its location in a University town assures an atmosphere of study and the benefit of numerous literary exercises, lectures, and addresses. The students in the Institute have the use of the Library and apparatus of the Institute, and also of the College Astronomical Observatory, Chemical Laboratory, Museum, and Library, and the various apparatus of the University. An isolated school could not provide for itself these advantages at a cost of less than a quarter of a million dollars.

ADMINISTRATIVE AND OTHER REGULATIONS.

1. The general control of the Institute is vested in the President of the University.

2. The government of the Institute, subject to such control, rests with the Principal of the Institute.

3. Young ladies attending the College or School of Music are subject to the rules and regulations governing young ladies attending the Institute.

RULES.

The laws governing the Institute are enacted by the Board of Trustees.

Any officer of the Institute becoming cognizant of violation of regulations by any pupil shall report the same to the Principal of the Institute, who shall make a record of the fact in a book provided for the purpose. Any second violation by the same pupil shall also be reported to the President of the University; and if, in the judgment of the President of the University, and the Principal of the Institute, the offense be of sufficient gravity, the parent or guardian of the offending pupil shall be notified.

Violations of the regulations of the Institute or infraction of the laws of morality are punished by private reprimand, deprivation of privileges, or private withdrawal from the Institute.

The following are selections from the regulations:

1. No student is allowed to leave the Institute grounds at any time without permission from the Principal.

2. Unless for reasons very satisfactory, students from a distance are not permitted to visit their homes, or to leave the Institute to visit with relatives or friends in town. A student will not be permitted to spend the night with friends in town.

3. None but near relatives and friends from a distance are allowed to visit with boarding students, and such visits must be so arranged as not to interfere with the regular hours of study and recitation.

4. Students are not at liberty to invite guests to their private apartments, or to any part of the building, without permission from the Principal.

5. Teachers and students take their meals at the same table, and no special article of food is served to any one except in case of sickness.

6. Parents and guardians are particularly requested to refrain from furnishing their daughters and wards with *eatables of any kind*, except fruit.

7. Patrons visiting young ladies at the Institute may be accommodated with board at one dollar a day, if there are vacant rooms. In no case will students be required to give up their rooms to visitors. Visitors will conform to the general regulations of the Institute.

8. Regular and systematic exercise, both in the open air and in the Ladies' Gymnasium, is required of each student.

9. In the Regular Course the number of daily recitations is fixed. Special students are required to engage in such a number as may, in the judgment of the Principal, be sufficient to occupy their time.

10. The character of each recitation is recorded at the time, and the result, together with a statement of the general industry and deportment of the student, is sent to the parent or guardian at the close of the term.

11. The passing grade in any study is a definite one, and must be attained before promotion can be secured.

12. No room can be reserved for a student unless definitely engaged.

13. The books and current periodicals of the College and Institute Libraries are available for all students.

14. Articles Required.—Each student should be provided with an umbrella, waterproof, overshoes, table napkins, towels, covers for bureau and washstand, counterpanes, sheets, and pillow-cases. The size of pillow is twenty by thirty inches; of the bureau, forty-three by nineteen inches; of the washstand, thirty-two by sixteen inches.

Every article of clothing should be marked with the owner's name in full.

It is especially desired that the dress of pupils shall be simple and inexpensive. Wherever practicable, the wardrobe should be prepared at home, to avoid frequent visits to town.

THE INFIRMARY AND DISPENSARY.

An infirmary, for students who become sick during their residence in the school, has been established in an isolated portion of the main building.

A dispensary, containing medicines for use in sudden illness, has also been established.

PRIZES.

I. BUCKNELL PRIZES.

The following prizes were founded by William Bucknell, of Philadelphia:

1. A First Senior Prize, to be awarded to the member of the graduating class who, being excellent in scholarship during the Senior Year, shall prepare the best essay.

2. A Second Senior Prize, to be awarded to the member of the graduating class who, being excellent in scholarship during the Senior Year, shall prepare the second best essay.

For the year 1898 the First Prize of twenty-four dollars was awarded to Jessie Steiner and the Second Prize of sixteen dollars to Grace Moses.

3. A Third Senior Prize, to be awarded to the member of the graduating class who shall attain the highest grade in the studies of the Senior Year. This excludes all grades for studies not in the Senior Year, all Senior studies taken before the Senior Year, and all studies not taken in the Institute.

For the year 1898 this prize of twenty-five dollars was awarded Katherine Mott Johnson.

4. A First Fourth Year Prize, to be awarded to the member of the Fourth Year Class who, being excellent in scholarship during the year, shall prepare the best Fourth Year essay.

5. A Second Fourth Year Prize, to be awarded to the member of the Fourth Year Class who, being excellent in scholarship during the year, shall prepare the second best Fourth Year essay.

For the year 1898 these prizes were awarded as follows: Margaret Runyan received the First Prize of twenty dollars, Charlotte Shields the Second Prize of fifteen dollars.

The fund consists of $2,000, the income from which is to be devoted to these prizes annually in a manner more particularly defined in the donor's communication to the Trustees.

Themes for the Bucknell Essay Prizes will be drawn from the following works:

For 1899.—Chaucer's Prologue to the Canterbury Tales; George Eliot's Mill on the Floss; Emerson's Essay on Character; Browning's Pippa Passes.

For 1900.—Shakspere's Macbeth; De Quincey's Flight of a Tartar Tribe; Scott's Ivanhoe; Lowell's Vision of Sir Launfal.

II. THE LIPPINCOTT PRIZE.

An award of fifty dollars has been offered by Mr. Craige Lippincott, to the student who proves, on examination, to have the best command of the English Language, and the most thorough knowledge of British and American Literature. For the year 1898 this Prize was awarded to Jessie Steiner.

III. THE ELOCUTION PRIZE.

A Prize in Elocution is offered to the student who shall give the best recitation at the Annual Contest.

For 1898 the Prize was awarded to Margaret Runyan.

EXPENSES.

1. **Boarding Students.**—The regular charge for Boarding Students is $230.00 per annum; the other expenses, spending-money, books, and clothing will vary with the individual student.

Students are charged extra for the washing of dresses, and for the washing of more than 12 pieces per week.

The rooms in the Bucknell College are rented in suites, for which there is an extra charge, depending on the location.

	Per Annum.
Suite on the first floor,	$30 00
Suite on the second floor,	40 00
Suite on the third floor,	28 00

Each suite contains a study and two sleeping apartments, and has accommodations for four persons, and the charge will be divided accordingly.

Students will be charged for damage done to furniture or to the room they occupy.

II. **Day Students.**—The charges for Day Students amount to $55.00 per annum.

III. **Extra Studies.**—The charges for Elocution, Drawing and Painting, and Music, will be found under those titles.

Bills are payable *strictly in advance,* on the 15th of September, January, and April.

Checks and drafts should be drawn in favor of the Registrar of the University.

No bill will be made out for a shorter period than one term; and no deduction will be made except in the charge of board in case of a prolonged absence on account of sickness.

The expenses for Music, Printing, and other charges ordinarily incurred at Examination and on Anniversary occasions, are paid by the class or classes which incur the expenses.

The fee for Graduation and Diploma is $5.00.

Free scholarships, covering tuition, are awarded to children of Ministers of the Gospel *in actual service.*

For information respecting the Institute, address the Principal, Miss Eveline Judith Stanton, Ph. M., or the President of the University, John H. Harris, Ph. D., LL. D.

THE BUCKNELL SCHOOL OF MUSIC.

ELYSÉE AVIRAGNET, A. M., MUS. DOC., DIRECTOR,
VOCAL AND INSTRUMENTAL MUSIC.

JULIET AIKIN,
PIANO, ORGAN, HARMONY.

GERTRUDE LEVERICH KNOX,
VOCAL AND INSTRUMENTAL MUSIC.

GERTRUDE LOUISE HALL,
ASSISTANT IN MUSIC.

LENA BURKE,
ASSISTANT IN MUSIC.

GRADUATES IN MUSIC, 1898.

NAME.	COURSE.	RESIDENCE
AMY ESTELLE GILBERT,	*Piano and Harmony.*	Elysburg
GRACE PRETZMAN,	*Piano, Vocal, Harmony.*	Millersville
JESSIE THEKLA STEINER,	*Organ.*	Lewisburg

NAMES OF STUDENTS.

PIANO.

NAME.	RESIDENCE.
Belle Bartol,	Lewisburg
Mary Bower,	Lewisburg
Miriam Adlum Bucher,	Lewisburg
Kate Elizabeth Cadwallader,	Milton
Laura Emma Chillson,	Shamokin
Kathryn Reed Christ,	Shamokin
Sallie Lathrop Courtright,	Montrose
Mary Haynes Coxe,	Alden
Susie Kress Crandall,	Elkland
Marie Howell Crandall,	Elkland
Carrie Elizabeth Devitt,	Sharpsville
Carrie Maud Dick,	Port Allegany
Minnie Donachy,	Lewisburg
Harriet Anna Emerick,	Milton
Mazie Felsburg,	Montgomery
Jene Donald Himmelreich,	Lewisburg
Anna Halfpenny,	Lewisburg
May Florence Higgins,	Lewisburg
Eleanor Cameron Harrison,	Lewisburg
Henry Joseph Johnson,	Sharon Hill
Mary Zoe Kelly,	Ottawa, Ohio
Emma Josephine Lawshe,	Lewisburg
Marie Louise Leiser,	Lewisburg
May Marsh,	Lewisburg
Millo Marie McCain,	Philadelphia
Edith Grace Miller,	Rebersburg
Marguerite Norton,	Lewisburg
Mrs. C. Willard Oldt,	Lewisburg
Anna O'Neill,	Philadelphia
William John Peacock,	Pittsburg
Jeanette Pross,	Lewisburg
Elizabeth Frazee Reynolds,	Montrose
Phyllis Anna Roe,	Watsontown
Donald Edward Roseman,	Northumberland
Kathryn Alice Satteson,	Milton
Ruth Savidge,	Northumberland
Grace Eckman Savidge,	Kline's Grove
Pearle Snyder,	Sunbury
Rutherford Stanton,	Chinchilla
Sarah Steans,	Mifflinburg
Jeanette Stoughton,	Lewisburg

NAME.	RESIDENCE.
Anna Elizabeth Spigelmeyer,	Swengel
Harriet Elspeth Vaughan,	Newark, N. J.
Selina Watkins,	Johnstown
Mary Frances Woods,	Lewisburg

PIPE ORGAN.

Mary Barr Bly,	Watsontown
Bryant Evans Bower,	Lewisburg
Katie Luzina Campbell,	Peale
Kathrine Reed Christ,	Shamokin
Susie Kress Crandall,	Elkland
Anna Halfpenny,	Lewisburg

HARMONY.

Belle Bartol,	Lewisburg
George Blood,	Lewisburg
Laura Emma Chillson,	Shamokin
Kathrine Reed Christ,	Shamokin
Sarah Lathrop Courtright,	Montrose
Mary Haynes Coxe,	Alden
Susie Kress Crandall,	Elkland
Marie Howell Crandall,	Elkland
Carrie Maude Dick,	Port Allegany
Minnie Donachy,	Lewisburg
Anna Halfpenny,	Lewisburg
Mary Zoe Kelly,	Ottawa, Ohio
Emma Josephine Lawshe,	Lewisburg
Louise Weimer Lawshe,	Lewisburg
Edith Overholt McCain,	Philadelphia
Edith Grace Miller,	Rebersburg
Jeanette Pross,	Lewisburg
Elizabeth Frazee Reynolds,	Montrose
Pearle Snyder,	Sunbury
Anna Elizabeth Spigelmeyer,	Swengel
Selina Watkins,	Johnstown
Mary Frances Woods,	Lewisburg

HISTORY OF MUSIC.

Laura Emma Chillson,	Shamokin
Kathrine Reed Christ,	Shamokin
Susie Kress Crandall,	Elkland
Carrie Maud Dick,	Port Allegany
Anna Halfpenny,	Lewisburg
Mary Zoe Kelly,	Ottawa, Ohio
Jeanette Pross,	Lewisburg
Mary Frances Woods,	Lewisburg

VOICE.

NAME.	RESIDENCE.
George Wells Alexander,	Philadelphia
Edna Louise Bacon,	Dividing Creek, N. J.
James Llewellyn Cattell,	Denver, Col.
Emma Laura Chillson,	Shamokin
Marie Howell Crandall,	Elkland
Marie Maude Goddard,	Philadelphia
Nellie May Goddard,	Philadelphia
Louise Weimer Lawshe,	Lewisburg
Howard Curtis Meserve,	New Haven, Conn.
Edith Grace Miller,	Rebersburg
Joseph Zerbe Rowe,	Reading
Henry N. Schleier,	Rochester, N. Y.
Grace Eckman Savidge,	Kline's Grove
Anna Elizabeth Spigelmeyer,	Swengel
Rutherford Stanton,	Chinchilla
Harriet Elspeth Vaughan,	Newark, N. J.
Augusta Genevieve White,	Bradford
Charles Wagoner Wolfe,	Bangor

VIOLIN.

William Andrew Bartol,	Lewisburg
George Blood,	Lewisburg
Nellie Jeanette Dunkel,	Lewisburg
Raphael Gresh,	Milton
Louise Weimer Lawshe,	Lewisburg
Edith Overholt McCain,	Philadelphia
Curtis Marsh,	Milton
Rutherford Stanton,	Chinchilla
Warren Wensel,	Lewisburg

VIOLONCELLO.

Bryant Evans Bower,	Lewisburg
Millo Marie McCain,	Philadelphia
Ray Wendell,	Lewisburg

BANJO.

Carrie Maude Dick,	Port Allegany
Nellie May Goddard,	Philadelphia
Jeanette Bennett Shepard,	Baltimore, Md.
Ernest A. Sterling,	Brooklyn

MANDOLIN.

NAME.	RESIDENCE.
Belle Bartol,	Lewisburg
Harry Clifford Beck,	Philadelphia
George Blood,	Lewisburg
Mary Bower,	Lewisburg
James Llewellyn Cattell,	Denver, Col.
Laura Emma Chillson,	Shamokin
Oliver John Decker,	Duboistown
Nellie Jeanette Dunkel,	Lewisburg
Jean Ebert,	Altoona
Ralph Elliot,	Tower City
Benjamin W. Griffith,	St. Clair
Harriet Miller Guthrie,	Lewisburg
Anna Halfpenny,	Lewisburg
May Florence Higgins,	Lewisburg
Daniel Edgar Hottenstein,	Mahonoy
Henry Joseph Johnson,	Sharon Hill
Emma Josephine Lawshe,	Lewisburg
Ida List,	Lewisburg
Inez Logan,	Milton
Edith Overholt McCain,	Philadelphia
Filbert Nickel,	Lewisburg
Anna O'Neill,	Philadelphia
Charles Judd Pearse,	Erie
Clarissa Fisher Russell,	Lewisburg
Ruth Savidge,	Northumberland
George Edward Schilling,	Cumberland, Md.
Lewis Edwin Theis,	Bridgeton, N. J.
Bertha Celestine Watkins,	Scranton
Bessie Helen Wells,	Moorestown, N. J.
Mary Frances Woods,	Lewisburg

GUITAR.

Edith Angle,	Lewisburg
Emily Edna Brown,	Rochester
Katie Luzina Campbell,	Peale
Sarah Lathrop Courtright,	Montrose
Harriet Anna Emerick,	Milton
Louise Weimer Lawshe,	Lewisburg
Millo Marie McCain,	Philadelphia
Albert Funk Meschter,	East Greenville
Reuben Lamont Rentz,	Montgomery
Margaret Charity Runyan,	Lewisburg
Charlotte Elliot Shields,	Lewisburg
Andrew Jackson Sherwood,	Union City

NAME.	RESIDENCE.
Anna Elizabeth Spigelmeyer,	Swengel
Gertrude Stephens,	Lewisburg
Augusta Genevieve White,	Bradford
Alicia Mitchell Zierden,	Johnsonburg

FLUTE, CLARINET, AND BAND INSTRUMENTS.

Lyndon Ernest Ayres,	Clifford
Bryant Evans Bower,	Lewisburg
Thomas Reese Bower,	Lewisburg
Charles Ernest Bunnell,	Montrose
Evarts Clancy Conover,	Hamilton Square, N. J.
Charles Cromley,	Lewisburg
Joseph Henry Deppen,	Mt. Carmel
Lee McClosky Goodman,	Lock Haven
William Huber Hoffa,	Washingtonville
Le Roy Hall,	Union City
Charles Scull Keen,	Cramer Hill, N. J.
Olin Stacy Marts,	Dividing Creek, N. J.
John Storer Stephens,	Lewisburg
George Edward Schilling,	Cumberland, Md.
Richard Irvin Wagner,	Lewisburg
Ray Wendell,	Lewisburg
Clarence Andrew Weymouth,	Lock Haven
William Cameron Woomer,	Lewisburg

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Total Lessons,	179
Names Repeated,	67
Total in School of Music,	112

COURSES OF STUDY.

The School of Music is under the special charge of a French artist, whose musical education was received at the Conservatory of Music in Paris, and who has had a large and successful experience in teaching. He is supported by competent assistants, and the course is designed to afford every needed facility for the study of Vocal and Instrumental Music. An ample supply of pianos from the best makers is provided for practice, including a Concert Grand.

INSTRUMENTAL MUSIC.

COURSE FOR THE PIANO-FORTE OF FOUR YEARS FOR GRADUATION.

The pupil is required to pursue the most thoroughly approved modern system of technical training. After the first rudiments have been mastered, the course of instruction leads to the practice of *etudes*, designed to unite with purely technical drill the requirement of artistic style and expression.

PIANO.

FIRST YEAR.

New England Conservatory method, 1 and 2 parts; Le Couppey Ecole du Méchanisme; Duvernoy Ecole du Méchanisme, books 1, 2, and 3; Kohler, op. 157; Czerny, fifty Studies from op. 261, 821, 599, and 139, ed. of Henrich Germer; Meyer, Progressive and Melodious Studies; Robert Sutton's "The Elements of the Theory of Music;" Brown, Musical Biographies of Composers.

SECOND YEAR.

Plaidy, Technical Studies; Czerny, Polyrhythmic Studies from op. 139, 834, 335, and 299; Czerny, Studies of Ornamentation from op. 355 and 833; Czerny, twelve Studies from op. 299 and 740; Czerny, thirty Studies from op. 299 and 834 (Henrich Germer Edition); Heller, Expression and Rhythm, op. 135; Kullak, Preparatory Octave Studies; Homer Norris's Practical Harmony; History of Music.

THIRD YEAR.

Clementi, "Gradus ad Parnassum;" Tausig, Daily Studies; Kohler, Cramer Studies, books 1, 2, and 3; Czerny, thirty-six Octave Studies from op. 821, 335, 740, and 834 (Henrich Germer Edition); Norris, Harmony; Dr. Marx, Universal School of Music.

FOURTH YEAR.

Bach, two and three-voiced invention; Czerny, twenty Studies from op. 335; Czerny, nineteen Studies from op. 740; Czerny, Toccata, op. 92 (Henrich Germer Edition); Kullak, Octave Studies; Chopin, Studies; Liszt, Studies; Bach, Well-Tempered Clavichord (preludes and figures); Kullak, Art of Touch; Symphonies of Haydn, Mozart, and Beethoven.

During the year selected studies from Bertini, Rossellen, Moscheles, Heez, and Thalberg are also given to the pupils.

That the æsthetic development may be proportionately secured, the above exercises are supplemented by the study of the works of the best composers.

COURSE FOR PIPE ORGAN.

The course is based upon:

Dudley Buck Pedal Studies, and upon works of Rink, Batiste, Lefébure—Wely, Guilmant, and others.

COURSE FOR THE VIOLIN.

This course is based upon:

Dancla's School of Mechanism; De Beriot's Violinist's First Guide; Fiorillo's Studies; Alard's Studies; Kreutzer's Studies, etc., with selections from the compositions of the best writers for this instrument.

COURSE FOR THE VIOLONCELLO.

Instruction for this instrument is based upon:

Méthod Pratique pour le Violoncello, par S. Lee; Studies by Piatti and Romberg.

COURSE FOR VIOLA.

Bruni's Method and Studies, by Campanoli.

COURSE FOR CONTREBASSO (DOUBLE BASS).

Bottesini's Method.

VOICE CULTURE.

COURSE OF THREE YEARS FOR GRADUATION.

Careful instruction is given in the use of the voice and the correct manner of producing purity of tone. To secure control over the voice and gain for it flexibility, fullness, and durability, thorough drill is afforded in such technical exercises as:

Lamperti's and Vannuccini's Italian Methods, Vocalises of Sieber, Concone, Vaccai, Bonaldi, Bordogni, Marchesi, and Panofka; Lamperti's Studies in Bravura Singing. For expression and the development of a pure style, practice is afforded in singing the best English, German, Italian, and French Songs, Operatic Arias, and Solos from the Oratorios.

COURSE IN HARMONY.

It is urgently recommended that the study of Harmony be included in the other musical work, inasmuch as a sound knowledge of its principles is essential to the success of all vocalists and instrumentalists. The text-books used are: Bussler's Harmonic Exercises, Homer Norris's Practical Harmony, Richter's Counterpoint, and Reicha's Course of Musical Composition.

THE ORCHESTRA.

CLASSES FOR ALL ORCHESTRAL INSTRUMENTS.

Students who are sufficiently advanced in any of the above musical instruments will have opportunity of practice in string quartettes, trios, concertos, and symphonies of Beethoven, Mozart and Haydn.

THE BAND.

A brass Band, consisting of about twenty pieces, has been organized, and is led by M. Elysée Aviragnet, Director of the School of Music. The Band meets weekly in the Laboratory for rehearsal, and furnishes street and concert music for University and town exercises.

RECITALS.

On the Friday evening prior to Commencement Week a public recital of the School of Music is held in Bucknell Hall.

The public examination of those who desire certificates of proficiency is held in Bucknell Hall the Saturday afternoon before Commencement. At this time each pupil plays or sings two pieces of high grade, and reads an essay on some subject connected with music.

TUITION.

Extra tuition is charged for instruction in Music, as follows:

	Per Annum.
Vocal Music,	$60 00
Music on Piano, *or* Organ,	60 00
Harmony, in Class,	18 00
Harmony, private lessons,	60 00
Use of instrument for practice,	10 00
	Per Lesson.
Special individual instruction in Music,	$1 00

No reduction will be made except in case of protracted illness.

Instruction in the Orchestra and in Harmony is free to pupils otherwise studying music.

RESIDENCE OF MUSIC PUPILS.

Pupils in music reside in the Institute, and are under the care of the Principal of the Institute. Students pursuing any of the Institute courses can also take studies in music. Those who wish to make music a specialty are recommended to take at least one study each term in Language or Literature.

The regular charges for pupils in music, residing in the Institute, including one literary subject per term, are $195 per annum. This *does not* include charges for instruction in music, which are determined by the number of lessons taken per week.

GRADUATION IN MUSIC.

Students who complete any of the Courses in Music and pass the examinations, receive a certificate of proficiency. Students will not be ranked as Seniors in music until they have passed an examination before the Committee. Besides the examination before the Committee for admission to the Senior Class, students will be required to pass a preliminary examination at the opening of the Spring term, and a final examination before Commencement Week. Students will not be admitted to the final examination unless they have passed the preliminary examinations.

THE AVIRAGNET PRIZES.

Professor Elysée Aviragnet has established two prizes, as follows:

1. A Prize of ten dollars for excellence in music.

For 1898 this prize was awarded to Grace Pretzman.

2. A Prize of ten dollars for excellence in French.

For 1898 this prize was awarded to Gertrude Grant.

GENERAL REMARKS.

Young ladies attending upon the School of Music are subject to the administration and other regulations enacted by the Board of Trustees for the government of students in the Institute. These rules are given on page 122 of this Catalogue. Students of Music are also entitled to all the privileges of the Institute.

For information respecting the School of Music address the Director, Elysee Aviragnet, Mus. Doc., or the President of the University, John H. Harris, Ph. D., LL. D.

UNIVERSITY CALENDAR.

1899-1900.

Second Term ends, ... Friday, March 24, 1899

SPRING RECESS.

Third Term begins, ... Thursday, March 30, 1899
Sermon before the Christian Associations, ... Sunday, April 9, 1899
Declamation of the Third Form, Academy, . . . Saturday, April 22, 1899
Exercise of the Fourth-Year Class, Institute, . . Saturday, April 29, 1899
Contest in Elocution, Institute, ... Saturday, May 13, 1899
Exhibition of the Junior Class, College, ... Friday, May 19, 1899
Examinations, ... Thursday to Saturday, June 15 to 17, 1899
Exhibition, School of Music, ... Friday, June 16, 1899
Junior Debate, ... Saturday, June 17, 1899
Baccalaureate Sermon, ... Sunday, June 18, 1899
Sermon before the Education Society, ... Sunday, June 18, 1899
Examinations for Admission to College, ... Monday, June 19, 1899
Meeting of the Alumnæ of the Institute, ... Monday, June 19, 1899
Oration before the Literary Societies, ... Monday, June 19, 1899
Annual Meeting of the Trustees, ... Tuesday, June 20, 1899
Annual Meeting of the Alumni, ... Tuesday, June 20, 1899
Exhibition of the Fourth Form, Academy, ... Tuesday, June 20, 1899
Graduating Exercises of the Institute, ... Tuesday, June 20, 1899
Oration before the Alumni, ... Tuesday, June 20, 1899
Annual Commencement, the 49th, ... Wednesday, June 21, 1899

SUMMER VACATION.

Examinations for Admission to College, . Wednesday, September 20, 1899
First Term begins, ... Thursday, September 21, 1899
Reception by Christian Associations, ... Saturday, September 23, 1899
Introductory Address, ... Monday, September 25, 1899
Thanksgiving (recess of three days), ... Thursday, November 23, 1899
First Term ends, ... Thursday, December 21, 1899

HOLIDAY RECESS.

Second Term begins, ... Tuesday, January 2, 1900
Day of Prayer for Colleges, ... Thursday, January 25, 1900
Second Term ends, ... Friday, March 23, 1900

SPRING RECESS.

Third Term begins, ... Thursday, March 29, 1900
Sermon before the Christian Associations, ... Sunday, April 8, 1900
Third Term ends, ... Wednesday, June 20, 1900

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